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40	PRIOR APPLICATION NUMBER: 60/085704
41	PRIOR FILING DATE: 1998-05-15
42	PRIOR APPLICATION NUMBER: 60/085697

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Query Match      100.0%; Score 587; DB 9; Length 111;
Best Local Similarity 100.0%; Pred. No. 1.4e-55;
Matches 111; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

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QY	1	MSLLP	RR	AP	VS	MR	LL	AA	LLLL	LLLL	LL	AL	LY	AR	VD	GS	CK <td>CS</td> <td>RG</td> <td>PK <td>IR</td> <td>YS</td> <td>VD</td> <td>SV</td> <td>DK</td> <td>LE</td> <td>MP</td> <td>KY</td> <td>60</td> </td>	CS	RG	PK <td>IR</td> <td>YS</td> <td>VD</td> <td>SV</td> <td>DK</td> <td>LE</td> <td>MP</td> <td>KY</td> <td>60</td>	IR	YS	VD	SV	DK	LE	MP	KY	60
Db	1	MSLLP	RR	AP	VS	MR	LL	AA	LLLL	LLLL	LL	AL	LY	AR	VD	GS	CK <td>CS</td> <td>RG</td> <td>PK <td>IR</td> <td>YS</td> <td>VD</td> <td>SV</td> <td>DK</td> <td>LE</td> <td>MP</td> <td>KY</td> <td>60</td> </td>	CS	RG	PK <td>IR</td> <td>YS</td> <td>VD</td> <td>SV</td> <td>DK</td> <td>LE</td> <td>MP</td> <td>KY</td> <td>60</td>	IR	YS	VD	SV	DK	LE	MP	KY	60

Qy 61 PHCEKWIITTKSVSYRGOEHCLHPKLOSTKRFIKYNAWNEKRVYEE 111
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RESULT 3
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; Sequence 370, Application US/099786697
; Patent No. US20020169284A1
; GENERAL INFORMATION:
; APPLICANT: Ashkenazi, Avi
; APPLICANT: Baker Kevin P.
; APPLICANT: Botstein, David
; APPLICANT: Desnovers, Luc
; APPLICANT: Eaton, Dan
; APPLICANT: Ferrara, Napoleon

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;	PRIOR APPLICATION NUMBER:	60/083500
;	PRIOR FILING DATE:	1998-04-29
;	PRIOR APPLICATION NUMBER:	60/083742
;	PRIOR FILING DATE:	1998-04-30
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;	PRIOR FILING DATE:	1998-05-05
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Query Match 100.0%; Score 587; DB 9; Length 111;

Best Local Similarity 100.0%; Pred. No. 1.4e-55;

Matches	111;	Conservative	0;	Mismatches	0;	Indels	0;	Gaps	0;
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RESULT 4

US-09-978-192A-370

; Sequence 370, Application US/09978192A

Patent No. US20020177553A1

GENERAL INFORMATION:

; APPLICANT: Ashkenazi, Avi

APPLICANT: Baker Kevin P.

APPLICANT: Botstein, David

APPLICANT: Desnoyers, Luc

APPLICANT: Eaton, Dan

; APPLICANT: Ferrara, Napoleon

; APPLICANT: Filvaroff, Ellen

APPLICANT: Fong, Sherman
APPLICANT: Gao, Wei-Qiang

APPLICANT: Gao, Wei-Qiang

; APPLICANT: Gerber, Hanspeter
 ; APPLICANT: Gerritsen, Mary E.
 ; APPLICANT: Goddard, Audrey
 ; APPLICANT: Godowski, Paul J.
 ; APPLICANT: Grimaldi, J. Christopher
 ; APPLICANT: Gurney, Austin L.
 ; APPLICANT: Hillan, Kenneth J.
 ; APPLICANT: Kijavin, Ivar J.
 ; APPLICANT: Kuo, Sophia S.
 ; APPLICANT: Napier, Mary A.
 ; APPLICANT: Pan, James
 ; APPLICANT: Paoni, Nicholas F.
 ; APPLICANT: Roy, Margaret Ann
 ; APPLICANT: Shelton, David L.
 ; APPLICANT: Stewart, Timothy A.
 ; APPLICANT: Tumas, Daniel
 ; APPLICANT: Williams, P. Mickey
 ; APPLICANT: Wood, William I.
 ; TITLE OF INVENTION: Transmembrane Polypeptides and Nucleic
 ; TITLE OF INVENTION: Acids Encoding the Same
 ; FILE REFERENCE: P2630PIC9
 ; CURRENT APPLICATION NUMBER: US/09/978-192A

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APPLICANT: Godowski, Paul J.
APPLICANT: Grimaldi, J. Christopher
APPLICANT: Gurney, Austin L.
APPLICANT: Hillan, Kenneth J.
APPLICANT: Kijavini, Ivar J.
APPLICANT: Kuo, Sophia S.
APPLICANT: Napier, Mary A.
APPLICANT: Pan, James
APPLICANT: Paoni, Nicholas F.
APPLICANT: Roy, Margaret Ann
APPLICANT: Shelton, David L.
APPLICANT: Stewart, Timothy A.
APPLICANT: Tumas, Daniel
APPLICANT: Williams, P. Mickey
APPLICANT: Wood, William I.
TITLE OF INVENTION: Secreted and Transmembrane Polypeptides and Nucleic
FILE REFERENCE: P2630PIC63
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CURRENT FILING DATE: 2001-10-24
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; PRIOR APPLICATION NUMBER: 60/085697

Query Match 100.0%; Score 587; DB 10; Length 111;
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Db 61 PHCEKMWIITTSVSRVSGEHLHPKLOSTKRFIKWYNWNEKRVYEE 111

RESULT 7

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; Sequence 370, Application US/09978608A
; Publication No. US20030045462A1
; GENERAL INFORMATION:
; APPLICANT: Ashkenazi, Avi
; APPLICANT: Baker Kevin P.
; APPLICANT: Botstein, David
; APPLICANT: Desnoyers, Luc
; APPLICANT: Eaton, Dan
; APPLICANT: Ferrara, Napoleon
; APPLICANT: Filvaroff, Ellen
; APPLICANT: Fong, Sherman
; APPLICANT: Gao, Wei-Qiang
; APPLICANT: Gerber, Hanspeter
; APPLICANT: Geritsen, Mary E.
; APPLICANT: Goddard, Audrey
; APPLICANT: Godowski, Paul J.
; APPLICANT: Grimaldi, J. Christopher
; APPLICANT: Gurney, Austin L.
; APPLICANT: Hillan, Kenneth J.
; APPLICANT: Kljavin, Ivar J.
; APPLICANT: Kuo, Sophia S.

```
; APPLICANT: Napier, Mary A.
; APPLICANT: Pan, James;
; APPLICANT: Paoni, Nicholas F.
; APPLICANT: Roy, Margaret Ann
; APPLICANT: Shelton, David L.
; APPLICANT: Stewart, Timothy A.
; APPLICANT: Tumas, Daniel
; APPLICANT: Williams, P. Mickey
; APPLICANT: Wood, William I.
; TITLE OF INVENTION: Secreted and Transmembrane Polypeptides and Nucleic
; FILE REFERENCE: P2630P1C22
; CURRENT APPLICATION NUMBER: US/09/978, 608A
; CURRENT FILING DATE: 2001-10-16
; NUMBER OF SEQ ID NOS: 624
; Prior Application removed - See File Wrapper or Palm
; SEQ ID NO 370
; LENGTH: 111
; TYPE: PRT
; ORGANISM: Homo sapiens
US-09-978-608A-370

Query Match 100.0%; Score 587; DB 10; Length 111;
Best Local Similarity 100.0%; Pred. No. 1.4e-55;
Matches 111; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 MSLLPRAPPVSMRLAAALLLLLLLALYARVDGSKCKSRKGPKIRYSDVKLEMKPKY 60
Db 1 MSLLPRAPPVSMRLAAALLLLLLLALYARVDGSKCKSRKGPKIRYSDVKLEMKPKY 60

QY 61 PHCEKRWIITTKSVSRYGQEHCLHPKLOSTKRFIKWYNAMNEKRRVYEE 111
Db 61 PHCEKRWIITTKSVSRYGQEHCLHPKLOSTKRFIKWYNAMNEKRRVYEE 111

RESULT 8
US-09-978-585A-370
; Sequence 370, Application US/09978585A
; Publication No. US20030049633A1
; GENERAL INFORMATION:
; APPLICANT: Ashkenazi, Avi
; APPLICANT: Baker Kevin P.
; APPLICANT: Botstein, David
; APPLICANT: Desnovers, Luc
; APPLICANT: Eaton, Dan
; APPLICANT: Ferrara, Napoleon
; APPLICANT: Filvaroff, Ellen
; APPLICANT: Fong, Sherman
; APPLICANT: Gao, Wei-Qiang
; APPLICANT: Gerber, Hanspeter
; APPLICANT: Gerritsen, Mary E.
; APPLICANT: Goddard, Audrey
; APPLICANT: Godowski, Paul J.
; APPLICANT: Grimaldi, J. Christopher
; APPLICANT: Gurney, Austin L.
; APPLICANT: Hillan, Kenneth J.
; APPLICANT: Kijavin, Ivar J.
; APPLICANT: Kuo, Sophia S.
; APPLICANT: Napier, Mary A.
; APPLICANT: Pan, James;
; APPLICANT: Paoni, Nicholas F.
; APPLICANT: Roy, Margaret Ann
; APPLICANT: Shelton, David L.
; APPLICANT: Stewart, Timothy A.
; APPLICANT: Tumas, Daniel
; APPLICANT: Williams, P. Mickey
; APPLICANT: Wood, William I.
; TITLE OF INVENTION: Secreted and Transmembrane Polypeptides and Nucleic
; FILE REFERENCE: P2630P1C4
; CURRENT APPLICATION NUMBER: US/09/978, 191A
; CURRENT FILING DATE: 2001-10-15
; PRIOR APPLICATION NUMBER: 09/918585
; PRIOR FILING DATE: 2001-07-30
; PRIOR APPLICATION NUMBER: 60/062250
; PRIOR FILING DATE: 1997-10-17
; PRIOR APPLICATION NUMBER: 60/064249
; PRIOR FILING DATE: 1997-11-03
; PRIOR APPLICATION NUMBER: 60/065311
; PRIOR FILING DATE: 1997-11-13
; PRIOR APPLICATION NUMBER: 60/066364
; PRIOR FILING DATE: 1997-11-21
; PRIOR APPLICATION NUMBER: 60/077450
; PRIOR FILING DATE: 1998-03-10
; PRIOR APPLICATION NUMBER: 60/077632
; PRIOR FILING DATE: 1998-03-11
; PRIOR APPLICATION NUMBER: 60/077641
; PRIOR FILING DATE: 1998-03-11
; NUMBER OF SEQ ID NOS: 624
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; Prior Application removed - See File Wrapper or Palm
; SEQ ID NO 370
; LENGTH: 111
; TYPE: PRT
; ORGANISM: Homo sapiens
US-09-978-585A-370

Query Match 100.0%; Score 587; DB 10; Length 111;
Best Local Similarity 100.0%; Pred. No. 1.4e-55;
Matches 111; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 MSLLPRAPPVSMRLAAALLLLLLLALYARVDGSKCKSRKGPKIRYSDVKLEMKPKY 60
Db 1 MSLLPRAPPVSMRLAAALLLLLLLALYARVDGSKCKSRKGPKIRYSDVKLEMKPKY 60

QY 61 PHCEKRWIITTKSVSRYGQEHCLHPKLOSTKRFIKWYNAMNEKRRVYEE 111
Db 61 PHCEKRWIITTKSVSRYGQEHCLHPKLOSTKRFIKWYNAMNEKRRVYEE 111

RESULT 9
US-09-978-191A-370
; Sequence 370, Application US/09978191A
; Publication No. US20030050239A1
; GENERAL INFORMATION:
; APPLICANT: Ashkenazi, Avi
; APPLICANT: Baker Kevin P.
; APPLICANT: Botstein, David
; APPLICANT: Desnovers, Luc
; APPLICANT: Eaton, Dan
; APPLICANT: Ferrara, Napoleon
; APPLICANT: Filvaroff, Ellen
; APPLICANT: Fong, Sherman
; APPLICANT: Gao, Wei-Qiang
; APPLICANT: Gerber, Hanspeter
; APPLICANT: Gerritsen, Mary E.
; APPLICANT: Goddard, Audrey
; APPLICANT: Godowski, Paul J.
; APPLICANT: Grimaldi, J. Christopher
; APPLICANT: Gurney, Austin L.
; APPLICANT: Hillan, Kenneth J.
; APPLICANT: Kijavin, Ivar J.
; APPLICANT: Kuo, Sophia S.
; APPLICANT: Napier, Mary A.
; APPLICANT: Pan, James;
; APPLICANT: Paoni, Nicholas F.
; APPLICANT: Roy, Margaret Ann
; APPLICANT: Shelton, David L.
; APPLICANT: Stewart, Timothy A.
; APPLICANT: Tumas, Daniel
; APPLICANT: Williams, P. Mickey
; APPLICANT: Wood, William I.
; TITLE OF INVENTION: Secreted and Transmembrane Polypeptides and Nucleic
; FILE REFERENCE: P2630P1C4
; CURRENT APPLICATION NUMBER: US/09/978, 191A
; CURRENT FILING DATE: 2001-10-15
; PRIOR APPLICATION NUMBER: 09/918585
; PRIOR FILING DATE: 2001-07-30
; PRIOR APPLICATION NUMBER: 60/062250
; PRIOR FILING DATE: 1997-10-17
; PRIOR APPLICATION NUMBER: 60/064249
; PRIOR FILING DATE: 1997-11-03
; PRIOR APPLICATION NUMBER: 60/065311
; PRIOR FILING DATE: 1997-11-13
; PRIOR APPLICATION NUMBER: 60/066364
; PRIOR FILING DATE: 1997-11-21
; PRIOR APPLICATION NUMBER: 60/077450
; PRIOR FILING DATE: 1998-03-10
; PRIOR APPLICATION NUMBER: 60/077632
; PRIOR FILING DATE: 1998-03-11
; PRIOR APPLICATION NUMBER: 60/077641
; PRIOR FILING DATE: 1998-03-11
; NUMBER OF SEQ ID NOS: 624
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[illegible]

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; PRIOR APPLICATION NUMBER: 60/085704
; PRIOR FILING DATE: 1998-05-15
; PRIOR APPLICATION NUMBER: 60/085697

Query Match      100.0%; Score 587; DB 10; Length 111;
Best Local Similarity 100.0%; Pred. No. 1.4e-55;
Matches 111; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY  1 MSLPPRAPVPSMRLAAALLLLALYTARVDGSKCKSRKGPKIRYSDVKLEMKPKY 60
    |||
Db  1 MSLPPRAPVPSMRLAAALLLLALYTARVDGSKCKSRKGPKIRYSDVKLEMKPKY 60
    |||

QY  61 PHCEKMWLIITTSVSRVSGEHLCHPKLOSTRFKFIKWYNWNEKRRVYEE 111
    |||
Db  61 PHCEKMWLIITTSVSRVSGEHLCHPKLOSTRFKFIKWYNWNEKRRVYEE 111
    |||

RESULT 10
US-09-978-403A-370
; Sequence 370, Application US/09978403A
; Publication No. US20030050240A1
; GENERAL INFORMATION:
; APPLICANT: Ashkenazi, Avi
; APPLICANT: Baker Kevin P.
; APPLICANT: Botstein, David
; APPLICANT: Desnoyers, Luc
; APPLICANT: Eaton, Dan
; APPLICANT: Ferrara, Napoleon
; APPLICANT: Filvaroff, Ellen
; APPLICANT: Fong, Sherman
; APPLICANT: Gao, Wei-Qiang
; APPLICANT: Gerber, Hanspeter
; APPLICANT: Gerritsen, Mary E.
; APPLICANT: Goddard, Audrey
; APPLICANT: Godowski, Paul J.
; APPLICANT: Grimaldi, J. Christopher
; APPLICANT: Gurney, Austin L.
; APPLICANT: Hillan, Kenneth J.
; APPLICANT: Kljavin, Ivar J.
; APPLICANT: Kuo, Sophia S.
; APPLICANT: Napier, Mary A.
; APPLICANT: Pan, James;
; APPLICANT: Paoni, Nicholas F.
; APPLICANT: Roy, Margaret Ann
; APPLICANT: Shelton, David L.
; APPLICANT: Stewart, Timothy A.
; APPLICANT: Tumas, Daniel
; APPLICANT: Williams, P. Mickey
; APPLICANT: Wood, William I.
; TITLE OF INVENTION: Secreted and Transmembrane Polypeptides and Nucleic
; FILE REFERENCE: P2630FIC17
; CURRENT APPLICATION NUMBER: US/09/978,403A
; CURRENT FILING DATE: 2002-03-19
; PRIOR APPLICATION NUMBER: 09/918585
; PRIOR FILING DATE: 2001-07-30
; PRIOR APPLICATION NUMBER: 60/062250
; PRIOR FILING DATE: 1997-10-17
; PRIOR APPLICATION NUMBER: 60/064249
; PRIOR FILING DATE: 1997-11-03
; PRIOR APPLICATION NUMBER: 60/065311
; PRIOR FILING DATE: 1997-11-13
; PRIOR APPLICATION NUMBER: 60/066364
; PRIOR FILING DATE: 1997-11-21
; PRIOR APPLICATION NUMBER: 60/077450
; PRIOR FILING DATE: 1998-03-10
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; PRIOR APPLICATION NUMBER: 60/077641
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; PRIOR APPLICATION NUMBER: 60/082569
; PRIOR FILING DATE: 1998-04-21
; PRIOR APPLICATION NUMBER: 60/082704
; PRIOR FILING DATE: 1998-04-22
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; PRIOR APPLICATION NUMBER: 60/082804
; PRIOR FILING DATE: 1998-04-22
; PRIOR APPLICATION NUMBER: 60/082700
; PRIOR FILING DATE: 1998-04-22
; PRIOR APPLICATION NUMBER: 60/082797
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; PRIOR FILING DATE: 1998-04-29
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; PRIOR FILING DATE: 1998-04-29
; PRIOR APPLICATION NUMBER: 60/083559
; PRIOR FILING DATE: 1998-04-29
; PRIOR APPLICATION NUMBER: 60/083500
; PRIOR FILING DATE: 1998-04-29
; PRIOR APPLICATION NUMBER: 60/083742
; PRIOR FILING DATE: 1998-04-30
; PRIOR APPLICATION NUMBER: 60/084366
; PRIOR FILING DATE: 1998-05-05
; PRIOR APPLICATION NUMBER: 60/084414
; PRIOR FILING DATE: 1998-05-06
; PRIOR APPLICATION NUMBER: 60/084441
; PRIOR FILING DATE: 1998-05-06
; PRIOR APPLICATION NUMBER: 60/084637
; PRIOR FILING DATE: 1998-05-07
; PRIOR APPLICATION NUMBER: 60/084639
; PRIOR FILING DATE: 1998-05-07
; PRIOR APPLICATION NUMBER: 60/084640
; PRIOR FILING DATE: 1998-05-07
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; PRIOR APPLICATION NUMBER: 60/084600
; PRIOR FILING DATE: 1998-05-07
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; PRIOR FILING DATE: 1998-05-07
; PRIOR APPLICATION NUMBER: 60/084643
; PRIOR FILING DATE: 1998-05-07
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; PRIOR FILING DATE: 1998-05-13
; PRIOR APPLICATION NUMBER: 60/085338
; PRIOR FILING DATE: 1998-05-13
; PRIOR APPLICATION NUMBER: 60/085323
; PRIOR FILING DATE: 1998-05-13
; PRIOR APPLICATION NUMBER: 60/085582
; PRIOR FILING DATE: 1998-05-15
; PRIOR APPLICATION NUMBER: 60/085700
; PRIOR FILING DATE: 1998-05-15
; PRIOR APPLICATION NUMBER: 60/085689
; PRIOR FILING DATE: 1998-05-15
; PRIOR APPLICATION NUMBER: 60/085579
; PRIOR FILING DATE: 1998-05-15
; PRIOR APPLICATION NUMBER: 60/085580
; PRIOR FILING DATE: 1998-05-15
; PRIOR APPLICATION NUMBER: 60/085573
; PRIOR FILING DATE: 1998-05-15
; PRIOR APPLICATION NUMBER: 60/085704
; PRIOR FILING DATE: 1998-05-15
; PRIOR APPLICATION NUMBER: 60/085697

Query Match 100.0%; Score 587; DB 10; Length 111;
Best Local Similarity 100.0%; Pred. No. 1.4e-55;
Matches 111; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
Qy 1 MSLPRRAPPVSMRLAAALLLLLLALYARVDGSKCKSGPKIRYSDVKLEMKPKY 60
Db 1 MSLPRRAPPVSMRLAAALLLLLLALYARVDGSKCKSGPKIRYSDVKLEMKPKY 60
Qy 61 PHCEKMWITTKSVSRVGOEHCLHPKLOSTKRFIKWYNWNEKRRVYEE 111
Db 61 PHCEKMWITTKSVSRVGOEHCLHPKLOSTKRFIKWYNWNEKRRVYEE 111

RESULT 11

US-09-978-564A-370
; Sequence 370, Application US/09978564A
; Publication No. US20030050241A1
; GENERAL INFORMATION:
; APPLICANT: Ashkenazi, Avi
; APPLICANT: Baker, Kevin P.
; APPLICANT: Botstein, David
; APPLICANT: Deanoyers, Luc
; APPLICANT: Eaton, Dan
; APPLICANT: Ferrara, Napoleon
; APPLICANT: Filvaroff, Ellen
; APPLICANT: Fong, Sherman
; APPLICANT: Gao, Wei-Qiang
; APPLICANT: Gerber, Hanspeter
; APPLICANT: Gerritsen, Mary E.
; APPLICANT: Goddard, Audrey
; APPLICANT: Godowski, Paul J.
; APPLICANT: Grimaldi, J. Christopher
; APPLICANT: Gurney, Austin L.
; APPLICANT: Hillan, Kenneth J.
; APPLICANT: Kijavin, Ivar J.
; APPLICANT: Kuo, Sophia S.
; APPLICANT: Napier, Mary A.
; APPLICANT: Pan, James
; APPLICANT: Paoni, Nicholas F.
; APPLICANT: Roy, Margaret Ann
; APPLICANT: Shelton, David L.
; APPLICANT: Stewart, Timothy A.
; APPLICANT: Tumas, Daniel
; APPLICANT: Williams, P. Mickey
; APPLICANT: Wood, William I.
; TITLE OF INVENTION: Secreted and Transmembrane Polypeptides and Nucleic
; FILE REFERENCE: P2630F1C25
; CURRENT FILING DATE: 2001-10-16
; PRIOR APPLICATION NUMBER: 09/918585
; PRIOR FILING DATE: 2001-07-30
; PRIOR APPLICATION NUMBER: 60/062250
; PRIOR FILING DATE: 1997-10-17
; PRIOR APPLICATION NUMBER: 60/064249
; PRIOR FILING DATE: 1997-11-03
; PRIOR APPLICATION NUMBER: 60/065311
; PRIOR FILING DATE: 1997-11-13
; PRIOR APPLICATION NUMBER: 60/066364
; PRIOR FILING DATE: 1997-11-21
; PRIOR APPLICATION NUMBER: 60/077450
; PRIOR FILING DATE: 1998-03-10
; PRIOR APPLICATION NUMBER: 60/077632
; PRIOR FILING DATE: 1998-03-11
; PRIOR APPLICATION NUMBER: 60/077641
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; PRIOR APPLICATION NUMBER: 60/077649
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; PRIOR APPLICATION NUMBER: 60/077791
; PRIOR FILING DATE: 1998-03-12
; PRIOR APPLICATION NUMBER: 60/078004
; PRIOR FILING DATE: 1998-03-13

;	PRIOR	FILING DATE:	1998-04-22	
;	PRIOR	APPLICATION NUMBER:	60/082197	
;	PRIOR	FILING DATE:	1998-04-22	
;	PRIOR	APPLICATION NUMBER:	60/082796	
;	PRIOR	FILING DATE:	1998-04-23	
;	PRIOR	APPLICATION NUMBER:	60/083336	
;	PRIOR	FILING DATE:	1998-04-27	
;	PRIOR	APPLICATION NUMBER:	60/083322	
;	PRIOR	FILING DATE:	1998-04-28	
;	PRIOR	APPLICATION NUMBER:	60/083392	
;	PRIOR	FILING DATE:	1998-04-29	
;	PRIOR	APPLICATION NUMBER:	60/083495	
;	PRIOR	FILING DATE:	1998-04-29	
;	PRIOR	APPLICATION NUMBER:	60/083496	
;	PRIOR	FILING DATE:	1998-04-29	
;	PRIOR	APPLICATION NUMBER:	60/083499	
;	PRIOR	FILING DATE:	1998-04-29	
;	PRIOR	APPLICATION NUMBER:	60/083545	
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;	PRIOR	FILING DATE:	1998-04-29	
;	PRIOR	APPLICATION NUMBER:	60/083742	
;	PRIOR	FILING DATE:	1998-04-30	
;	PRIOR	APPLICATION NUMBER:	60/084366	
;	PRIOR	FILING DATE:	1998-05-05	
;	PRIOR	APPLICATION NUMBER:	60/084414	
;	PRIOR	FILING DATE:	1998-05-06	
;	PRIOR	APPLICATION NUMBER:	60/084441	
;	PRIOR	FILING DATE:	1998-05-06	
;	PRIOR	APPLICATION NUMBER:	60/084637	
;	PRIOR	FILING DATE:	1998-05-07	
;	PRIOR	APPLICATION NUMBER:	60/084639	
;	PRIOR	FILING DATE:	1998-05-07	
;	PRIOR	APPLICATION NUMBER:	60/084640	
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;	PRIOR	APPLICATION NUMBER:	60/085338	
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;	PRIOR	APPLICATION NUMBER:	60/085323	
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;	PRIOR	FILING DATE:	1998-05-15	
;	PRIOR	APPLICATION NUMBER:	60/085573	
;	PRIOR	FILING DATE:	1998-05-15	
;	PRIOR	APPLICATION NUMBER:	60/085704	
;	PRIOR	FILING DATE:	1998-05-15	
;	PRIOR	APPLICATION NUMBER:	60/085697	
;	Query Match			
;	Best Local Similarity		100.0%;	Score

Query Match	100.0%;	Score 587;	DB 10;	Length 111;
Best Local Similarity	100.0%;	Pred. No. 1.4e-55;		

Matches 111; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 MSLPRAPPVSMRLAAALLLLLYTARVDGSKCKSRKGPRIYSDVKLEMPKY 60

Db 1 MSLPRAPPVSMRLAAALLLLLYTARVDGSKCKSRKGPRIYSDVKLEMPKY 60

Qy 61 PHCEKVIITKSVSRVSGEHLHPKLOSTKRFIKWYNWNEKRRVYEE 111

Db 61 PHCEKVIITKSVSRVSGEHLHPKLOSTKRFIKWYNWNEKRRVYEE 111

RESULT 12

US-09-999-833A-370

; Sequence 370, Application US/099989833A

; Publication No. US20030054405A1

; GENERAL INFORMATION:

; APPLICANT: Ashkenazi, Avi

; APPLICANT: Baker Kevin P.

; APPLICANT: Botstein, David

; APPLICANT: Desnovers, Luc

; APPLICANT: Eaton, Dan

; APPLICANT: Ferrata, Napoleon

; APPLICANT: Filvaroff, Ellen

; APPLICANT: Fong, Sherman

; APPLICANT: Gao, Wei-Qiang

; APPLICANT: Gerber, Hanspeter

; APPLICANT: Gerritsen, Mary E.

; APPLICANT: Goddard, Audrey

; APPLICANT: Godowski, Paul J.

; APPLICANT: Grimaldi, J. Christopher

; APPLICANT: Gurney, Austin L.

; APPLICANT: Hillan, Kenneth J.

; APPLICANT: Kljavin, Ivar J.

; APPLICANT: Kuo, Sophia S.

; APPLICANT: Napier, Mary A.

; APPLICANT: Pan, James;

; APPLICANT: Paoni, Nicholas F.

; APPLICANT: Roy, Margaret Ann

; APPLICANT: Shelton, David L.

; APPLICANT: Stewart, Timothy A.

; APPLICANT: Tunas, Daniel

; APPLICANT: Williams, P. Mickey

; APPLICANT: Wood, William I.

; TITLE OF INVENTION: Secreted and Transmembrane Polypeptides and Nucleic

; TITLE OF INVENTION: Acids Encoding the Same

; FILE REFERENCE: P2630P1C65

; CURRENT APPLICATION NUMBER: US/09/999,833A

; CURRENT FILING DATE: 2001-10-24

; PRIOR APPLICATION NUMBER: 09/918585

; PRIOR FILING DATE: 2001-07-30

; PRIOR APPLICATION NUMBER: 60/062250

; PRIOR FILING DATE: 1997-10-17

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; PRIOR FILING DATE: 1997-11-13

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Best Local Similarity 100.0%; Pred. No. 1.4e-55;
Matches 111; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

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RESULT 13

US-09-981-915A-370
; Sequence 370, Application US/09981915A
; Publication No. US20030054986A1
; GENERAL INFORMATION:
; APPLICANT: Ashkenazi, Avi
; APPLICANT: Baker Kevin P.
; APPLICANT: Botstein, David
; APPLICANT: Desnoyers, Luc
; APPLICANT: Baton, Dan
; APPLICANT: Ferrara, Napoleon
; APPLICANT: Filvaroff, Ellen
; APPLICANT: Fong, Sherman
; APPLICANT: Gao, Wei-Qiang
; APPLICANT: Gerber, Hanspeter
; APPLICANT: Gerritsen, Mary E.
; APPLICANT: Goddard, Audrey
; APPLICANT: Godowski, Paul J.
; APPLICANT: Grimaldi, J. Christopher
; APPLICANT: Gurney, Austin L.
; APPLICANT: Hillan, Kenneth J.
; APPLICANT: Kljavin, Ivar J.
; APPLICANT: Kuo, Sophia S.
; APPLICANT: Napier, Mary A.
; APPLICANT: Pan, James;
; APPLICANT: Paoni, Nicholas F.
; APPLICANT: Roy, Margaret Ann
; APPLICANT: Shelton, David L.
; APPLICANT: Stewart, Timothy A.
; APPLICANT: Tumas, Daniel
; APPLICANT: Williams, P. Mickey
; APPLICANT: Wood, William I.
; TITLE OF INVENTION: Secreted and Transmembrane Polypeptides and Nucleic
; FILE REFERENCE: P2630P1C12
; CURRENT APPLICATION NUMBER: US/09/981,915A
; CURRENT FILING DATE: 2001-10-16
; PRIOR APPLICATION NUMBER: 09/918585
; PRIOR FILING DATE: 2001-07-30
; PRIOR APPLICATION NUMBER: 60/062250
; PRIOR FILING DATE: 1997-10-17
; PRIOR APPLICATION NUMBER: 60/064249
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65	PRIOR FILING DATE: 1998-05-15	

Query Match	100.0%;	Score 587;	DB 10;	Length 111;
Best Local Similarity	100.0%;	Pred. No. 1.4e-55;		
Matches 111;	Conservative	0;	Mismatches 0;	Indels 0

[illegible]

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Db 61 PHCEKMWITTSVSRYSRQEHCLHPKLOSTRFKIKWYNWNEKRRVVEE 111

RESULT 14

US-09-978-824-370
; Sequence 370, Application US/09978824
; Publication No. US20030055216A1
; GENERAL INFORMATION:
; APPLICANT: Ashkenazi, Avi
; APPLICANT: Baker Kevin P.
; APPLICANT: Botstein, David
; APPLICANT: Deenoyers, Luc
; APPLICANT: Eaton, Dan
; APPLICANT: Ferrara, Napoleon
; APPLICANT: Filvaroff, Ellen
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; APPLICANT: Gao, Wei-Qiang
; APPLICANT: Gerber, Hanspeter
; APPLICANT: Gerritsen, Mary E.
; APPLICANT: Goddard, Audrey
; APPLICANT: Godowski, Paul J.
; APPLICANT: Grimaldi, J. Christopher
; APPLICANT: Gurney, Austin L.
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; APPLICANT: Kljavin, Ivar J.
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; APPLICANT: Roy, Margaret Ann
; APPLICANT: Shelton, David L.
; APPLICANT: Stewart, Timothy A.
; APPLICANT: Tumas, Daniel
; APPLICANT: Williams, P. Mickey
; TITLE OF INVENTION: Secreted and Transmembrane Polypeptides and Nucleic
; FILE OF INVENTION: P2630F1C14
; FILE REFERENCE: P2630F1C14
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 ; PRIOR APPLICATION NUMBER: 60/085580
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 ; PRIOR APPLICATION NUMBER: 60/085573
 ; PRIOR FILING DATE: 1998-05-15
 ; PRIOR APPLICATION NUMBER: 60/085704
 ; PRIOR FILING DATE: 1998-05-15
 ; PRIOR APPLICATION NUMBER: 60/085697

Query Match 100.0%; Score 587; DB 10; Length 111;
 Best Local Similarity 100.0%; Pred. No. 1.4e-55;
 Matches 111; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

 Qy 1 MSLPRRAPPVSMRLAAALLLLALYARVDGSKCKSRGPKIRYSDVKLEMPKY 60
 Db 1 MSLPRRAPPVSMRLAAALLLLALYARVDGSKCKSRGPKIRYSDVKLEMPKY 60

 Qy 61 PHCEKRWIITKSVRSYRGOEHLHPKLOSTKRFIKWYNANWKRYYEE 111
 Db 61 PHCEKRWIITKSVRSYRGOEHLHPKLOSTKRFIKWYNANWKRYYEE 111

RESULT 15
 US-09-918-585A-370
 ; Sequence 370, Application US/09918585A
 ; Publication No. US20030060406A1
 ; GENERAL INFORMATION:
 ; APPLICANT: Ashkenazi, Avi
 ; APPLICANT: Baker Kevin P.
 ; APPLICANT: Botstein, David
 ; APPLICANT: Deenoyers, Luc
 ; APPLICANT: Eaton, Dan
 ; APPLICANT: Ferrara, Napoleon
 ; APPLICANT: Filvaroff, Ellen
 ; APPLICANT: Fong, Sherman
 ; APPLICANT: Gao, Wei-Qiang
 ; APPLICANT: Gerber, Hanspeter
 ; APPLICANT: Goddard, Audrey
 ; APPLICANT: Gurney, Austin L.
 ; APPLICANT: Grimaldi, J. Christopher
 ; APPLICANT: Hillan, Kenneth J
 ; APPLICANT: Kijavin, Ivar J.
 ; APPLICANT: Kuo, Sophia S.
 ; APPLICANT: Napier, Mary A.
 ; APPLICANT: Pan, James;
 ; APPLICANT: Paoni, Nicholas F.
 ; APPLICANT: Roy, Margaret Ann
 ; APPLICANT: Shelton, David L.
 ; APPLICANT: Stewart, Timothy A.
 ; APPLICANT: Tumas, Daniel
 ; APPLICANT: Williams, P. Mickey
 ; APPLICANT: Wood, William I.
 ; TITLE OF INVENTION: Secreted and Transmembrane Polypeptides and Nucleic
 ; FILE REFERENCE: P2630F1C1
 ; CURRENT FILING DATE: 2001-07-30
 ; PRIOR APPLICATION NUMBER: US/09/918,585A
 ; PRIOR FILING DATE: 1997-10-17
 ; PRIOR APPLICATION NUMBER: 60/062250
 ; PRIOR FILING DATE: 1997-11-03
 ; PRIOR APPLICATION NUMBER: 60/065311
 ; PRIOR FILING DATE: 1997-11-13
 ; PRIOR APPLICATION NUMBER: 60/066364
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 ; PRIOR APPLICATION NUMBER: 60/077450
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 ; PRIOR APPLICATION NUMBER: 60/077791
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 ; PRIOR APPLICATION NUMBER: 60/078886
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 ; PRIOR FILING DATE: 1998-03-25
 ; PRIOR APPLICATION NUMBER: 60/079656
 ; PRIOR FILING DATE: 1998-03-26
 ; PRIOR APPLICATION NUMBER: 60/079664
 ; PRIOR FILING DATE: 1998-03-27

US-09-999-834A-370
; Sequence 370, Application US/09999834A
; Publication No. US20030064407A1
; GENERAL INFORMATION:
; APPLICANT: Ashkenazi, Avi
; APPLICANT: Baker Kevin P.
; APPLICANT: Botstein, David
; APPLICANT: Desnovers, Luc
; APPLICANT: Eaton, Dan
; APPLICANT: Ferrara, Napoleon
; APPLICANT: Filvaroff, Ellen
; APPLICANT: Fong, Sherman
; APPLICANT: Gao, Wei-Qiang
; APPLICANT: Gerber, Hanspeter
; APPLICANT: Gerritsen, Mary E.
; APPLICANT: Goddard, Audrey
; APPLICANT: Godowski, Paul J.
; APPLICANT: Grimaldi, J. Christopher
; APPLICANT: Gurney, Austin L.
; APPLICANT: Hillan, Kenneth J.
; APPLICANT: Kljavin, Ivar J.
; APPLICANT: Kuo, Sophia S.
; APPLICANT: Napier, Mary A.
; APPLICANT: Pan, James;
; APPLICANT: Paoni, Nicholas F.
; APPLICANT: Roy, Margaret Ann
; APPLICANT: Shelton, David L.
; APPLICANT: Stewart, Timothy A.
; APPLICANT: Tumas, Daniel
; APPLICANT: Williams, P. Mickey
; APPLICANT: Wood, William I.
; TITLE OF INVENTION: Secreted and Transmembrane Polypeptides and Nucleic
; FILE OF INVENTION: Acids Encoding the Same
; FILE REFERENCE: P2630P1C75
; CURRENT APPLICATION NUMBER: US/09/999,834A
; CURRENT FILING DATE: 2001-10-24
; PRIOR APPLICATION NUMBER: 09/918585
; PRIOR FILING DATE: 2001-07-30
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; PRIOR APPLICATION NUMBER: 60/083392
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; PRIOR FILING DATE: 1998-04-29

Qy	Db	Score	Length	Indels	Gaps
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61	PHCEKWKVIITTKSVRYRGOEHCHLHPKQLQSTKRFIKYNNAWNEKRRVYEE	111			
61	PHCEKWKVIITTKSVRYRGOEHCHLHPKQLQSTKRFIKYNNAWNEKRRVYEE	111			

Query Match 100.0%; Score 587; DB 10; Length 111;

Best Local Similarity 100.0%; Pred. No. 1.4e-55;

Matches 111; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

RESULT 17

US-09-978-423A-370

; Sequence 370, Application US/09978423A

; Publication No. US20030069179A1

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4	PRIOR FILING DATE: 1998-03-27
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10	PRIOR FILING DATE: 1998-03-31
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12	PRIOR FILING DATE: 1998-03-31
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;	PRIOR	FILING DATE:	1998-05-15	
;	PRIOR	APPLICATION NUMBER:	60/085573	
;	PRIOR	FILING DATE:	1998-03-15	
;	PRIOR	APPLICATION NUMBER:	60/085704	
;	PRIOR	FILING DATE:	1998-05-15	
;	PRIOR	APPLICATION NUMBER:	60/085697	

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Query Match      100.0%; Score 587; DB 10; Length 111;
Best Local Similarity 100.0%; Pred. No. 1.4e-55;
Matches 111; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
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1 MSLPRRAPPVSMRLIAAALLLLLLLALY TARVDGSKCKCSRKGPKIRYSDVKLEMPKY 60

db
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61 PHCEEKMWIIITTKSVSRYGEOEHCLHPKLOSTKRFIKWYNAWNKEKRBYEE 111

RESULT 18

US-09-978-193A-370
; Sequence 370, Application US/09978193A
; Publication No. US20030073624A1
; GENERAL INFORMATION:
; APPLICANT: Ashkenazi, Avi
; APPLICANT: Baker Kevin P.

; APPLICANT: Botstein, David
; APPLICANT: Deenoyers, Luc
; APPLICANT: Eaton, Dan
; APPLICANT: Ferrara, Napoleon
; APPLICANT: Filvaroff, Ellen
; APPLICANT: Fong, Sherman
; APPLICANT: Gao, Wei-Qiang
; APPLICANT: Gerber, Hanspeter
; APPLICANT: Gerritsen, Mary E.
; APPLICANT: Goddard, Audrey
; APPLICANT: Godowski, Paul J.
; APPLICANT: Grimaldi, J. Christopher
; APPLICANT: Gurney, Austin L.
; APPLICANT: Hillan, Kenneth J.
; APPLICANT: Kljavin, Ivar J.
; APPLICANT: Kuo, Sophia S.
; APPLICANT: Napier, Mary A.
; APPLICANT: Pan, James;
; APPLICANT: Paoni, Nicholas F.
; APPLICANT: Roy, Margaret Ann
; APPLICANT: Shelton, David L.
; APPLICANT: Stewart, Timothy A.
; APPLICANT: Tumas, Daniel
; APPLICANT: Williams, P. Mickey
; APPLICANT: Wood, William I.
; TITLE OF INVENTION: Secreted and Transmembrane Polypeptides and Nucleic
; FILE OF INVENTION: Acids Encoding the Same
; FILE REFERENCE: P2630P1C6
; CURRENT FILING DATE: 2002-02-21
; CURRENT APPLICATION NUMBER: US/09/978,193A
; PRIOR FILING DATE: 2001-07-30
; PRIOR APPLICATION NUMBER: 60/062250
; PRIOR FILING DATE: 1997-10-17
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; PRIOR FILING DATE: 1998-04-29
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; PRIOR FILING DATE: 1998-04-29
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; PRIOR APPLICATION NUMBER: 60/083554
; PRIOR FILING DATE: 1998-04-29

PRIOR APPLICATION NUMBER: 60/083558
PRIOR FILING DATE: 1998-04-29
PRIOR APPLICATION NUMBER: 60/083559
PRIOR FILING DATE: 1998-04-29
PRIOR APPLICATION NUMBER: 60/083500
PRIOR FILING DATE: 1998-04-29
PRIOR APPLICATION NUMBER: 60/083742
PRIOR FILING DATE: 1998-04-30
PRIOR APPLICATION NUMBER: 60/084366
PRIOR FILING DATE: 1998-05-05
PRIOR APPLICATION NUMBER: 60/084414
PRIOR FILING DATE: 1998-05-06
PRIOR APPLICATION NUMBER: 60/084441
PRIOR FILING DATE: 1998-05-06
PRIOR APPLICATION NUMBER: 60/084637
PRIOR FILING DATE: 1998-05-07
PRIOR APPLICATION NUMBER: 60/084639
PRIOR FILING DATE: 1998-05-07
PRIOR APPLICATION NUMBER: 60/084640
PRIOR FILING DATE: 1998-05-07
PRIOR APPLICATION NUMBER: 60/084598
PRIOR FILING DATE: 1998-05-07
PRIOR APPLICATION NUMBER: 60/084600
PRIOR FILING DATE: 1998-05-07
PRIOR APPLICATION NUMBER: 60/084627
PRIOR FILING DATE: 1998-05-07
PRIOR APPLICATION NUMBER: 60/084643
PRIOR FILING DATE: 1998-05-07
PRIOR APPLICATION NUMBER: 60/085339
PRIOR FILING DATE: 1998-05-13
PRIOR APPLICATION NUMBER: 60/085338
PRIOR FILING DATE: 1998-05-13
PRIOR APPLICATION NUMBER: 60/085323
PRIOR FILING DATE: 1998-05-13
PRIOR APPLICATION NUMBER: 60/085582
PRIOR FILING DATE: 1998-05-15
PRIOR APPLICATION NUMBER: 60/085700
PRIOR FILING DATE: 1998-05-15
PRIOR APPLICATION NUMBER: 60/085689
PRIOR FILING DATE: 1998-05-15
PRIOR APPLICATION NUMBER: 60/085579
PRIOR FILING DATE: 1998-05-15
PRIOR APPLICATION NUMBER: 60/085580
PRIOR FILING DATE: 1998-05-15
PRIOR APPLICATION NUMBER: 60/085573
PRIOR FILING DATE: 1998-05-15
PRIOR APPLICATION NUMBER: 60/085704
PRIOR FILING DATE: 1998-05-15
PRIOR APPLICATION NUMBER: 60/085697

Query Match 100.0%; Score 587; DB 10; Length 111;
Best Local Similarity 100.0%; Pred. No. 1.4e-55;
Matches 111; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
Qy 1 MSLLPRAPPVSMRLAAALLLLALYARVDGSKCKSRGPKIRYSDVKLEMPKY 60
Db 1 MSLLPRAPPVSMRLAAALLLLALYARVDGSKCKSRGPKIRYSDVKLEMPKY 60
Qy 61 PHCEKRWIITKSVSRVYRGOEHLHPKLOSTKRFIKWYNWNEKRRVYEE 111
Db 61 PHCEKRWIITKSVSRVYRGOEHLHPKLOSTKRFIKWYNWNEKRRVYEE 111

RESULT 19

US-09-999-830A-370
Sequence 370, Application US/09999830A
Publication No. US2003007700A1
GENERAL INFORMATION:
APPLICANT: Ashkenazi, Avi
APPLICANT: Baker Kevin P.
APPLICANT: Botstein, David
APPLICANT: Desnovers, Luc
APPLICANT: Eaton, Dan

APPLICANT: Ferrara, Napoleon
APPLICANT: Filvaroff, Ellen
APPLICANT: Fong, Sherman
APPLICANT: Gao, Wei-Qiang
APPLICANT: Gerber, Hanspeter
APPLICANT: Gerritsen, Mary E.
APPLICANT: Goddard, Audrey
APPLICANT: Godowski, Paul J.
APPLICANT: Grimaldi, J. Christopher
APPLICANT: Gurney, Austin L.
APPLICANT: Hillan, Kenneth J.
APPLICANT: Kijavlin, Ivar J.
APPLICANT: Kuo, Sophia S.
APPLICANT: Napier, Mary A.
APPLICANT: Pan, James;
APPLICANT: Paoni, Nicholas F.
APPLICANT: Roy, Margaret Ann
APPLICANT: Shelton, David L.
APPLICANT: Stewart, Timothy A.
APPLICANT: Tumas, Daniel
APPLICANT: Williams, P. Mickey
APPLICANT: Wood, William I.
TITLE OF INVENTION: Secreted and Transmembrane Polypeptides and Nucleic
FILE REFERENCE: P2630PIC70
CURRENT APPLICATION NUMBER: US/09/999,830A
CURRENT FILING DATE: 2001-08-31
PRIOR APPLICATION NUMBER: 09/918585
PRIOR FILING DATE: 2001-07-30
PRIOR APPLICATION NUMBER: 60/062250
PRIOR FILING DATE: 1997-10-17
PRIOR APPLICATION NUMBER: 60/064249
PRIOR FILING DATE: 1997-11-03
PRIOR APPLICATION NUMBER: 60/065311
PRIOR FILING DATE: 1997-11-13
PRIOR APPLICATION NUMBER: 60/066364
PRIOR FILING DATE: 1997-11-21
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PRIOR FILING DATE: 1998-03-10
PRIOR APPLICATION NUMBER: 60/077632
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PRIOR APPLICATION NUMBER: 60/077641
PRIOR FILING DATE: 1998-03-11
PRIOR APPLICATION NUMBER: 60/077649
PRIOR FILING DATE: 1998-03-11
PRIOR APPLICATION NUMBER: 60/077791
PRIOR FILING DATE: 1998-03-12
PRIOR APPLICATION NUMBER: 60/078004
PRIOR FILING DATE: 1998-03-13
PRIOR APPLICATION NUMBER: 60/078886
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PRIOR APPLICATION NUMBER: 60/078939
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PRIOR APPLICATION NUMBER: 60/079294
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PRIOR APPLICATION NUMBER: 60/079656
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PRIOR APPLICATION NUMBER: 60/079664
PRIOR FILING DATE: 1998-03-27
PRIOR APPLICATION NUMBER: 60/079689
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PRIOR APPLICATION NUMBER: 60/079663
PRIOR FILING DATE: 1998-03-27
PRIOR APPLICATION NUMBER: 60/079728
PRIOR FILING DATE: 1998-03-27
PRIOR APPLICATION NUMBER: 60/079786
PRIOR FILING DATE: 1998-03-27
PRIOR APPLICATION NUMBER: 60/079920
PRIOR FILING DATE: 1998-03-30

APPLICANT: Gao, Wei-Qiang
APPLICANT: Gerber, Hanspeter
APPLICANT: Gerritsen, Mary E.
APPLICANT: Goddard, Audrey
APPLICANT: Godowski, Paul J.
APPLICANT: Grimaldi, J. Christopher
APPLICANT: Gurney, Austin L.
APPLICANT: Hillan, Kenneth J.
APPLICANT: Kljavin, Ivar J.
APPLICANT: Kuo, Sophia S.
APPLICANT: Napier, Mary A.
APPLICANT: Pan, James
APPLICANT: Paoni, Nicholas F.
APPLICANT: Roy, Margaret Ann
APPLICANT: Shelton, David L.
APPLICANT: Stewart, Timothy A.
APPLICANT: Tumas, Daniel
APPLICANT: Williams, P. Mickey
APPLICANT: Wood, William I.
TITLE OF INVENTION: Secreted and Transmembrane Polypeptides and Nucleic
FILE OF INVENTION: Acids Encoding the Same
FILE REFERENCE: P2630P1C26
CURRENT APPLICATION NUMBER: US/09/978,757A
CURRENT FILING DATE: 2002-03-19
PRIOR APPLICATION NUMBER: 09/918585
PRIOR FILING DATE: 2001-07-30
PRIOR APPLICATION NUMBER: 60/062250
PRIOR FILING DATE: 1997-10-17
PRIOR APPLICATION NUMBER: 60/064249
PRIOR FILING DATE: 1997-11-03
PRIOR APPLICATION NUMBER: 60/065311
PRIOR FILING DATE: 1997-11-13
PRIOR APPLICATION NUMBER: 60/066364
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PRIOR APPLICATION NUMBER: 60/077791
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PRIOR APPLICATION NUMBER: 60/078004
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PRIOR FILING DATE: 1998-04-23
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PRIOR APPLICATION NUMBER: 60/083559
PRIOR FILING DATE: 1998-04-29
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PRIOR FILING DATE: 1998-04-29

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/ PRIOR APPLICATION NUMBER: 60/083742
/ PRIOR FILING DATE: 1998-04-30
/ PRIOR APPLICATION NUMBER: 60/084366
/ PRIOR FILING DATE: 1998-05-05
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/ PRIOR FILING DATE: 1998-05-06
/ PRIOR APPLICATION NUMBER: 60/084441
/ PRIOR FILING DATE: 1998-05-06
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/ PRIOR APPLICATION NUMBER: 60/084598
/ PRIOR FILING DATE: 1998-05-07
/ PRIOR APPLICATION NUMBER: 60/084600
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/ PRIOR FILING DATE: 1998-05-15
/ PRIOR APPLICATION NUMBER: 60/085697

Query Match          100.0%; Score 587; DB 10; Length 111;
Best Local Similarity 100.0%; Pred. No. 1.4e-55;
Matches 111; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 MSLPRAPPVSMRLAAALLLLLYTARVDGSKCCKSRGPKIRYSDVKLEMKPKY 60
   |||||
Db 1 MSLPRAPPVSMRLAAALLLLLYTARVDGSKCCKSRGPKIRYSDVKLEMKPKY 60
   |||||

Qy 61 PHCEKRWIITTKSVRYRGQEHCLHPKQSTKRPKYNWNEKRRVYEE 111
   |||||
Db 61 PHCEKRWIITTKSVRYRGQEHCLHPKQSTKRPKYNWNEKRRVYEE 111
   |||||

RESULT 21
US-09-978-187B-370
; Sequence 370, Application US/09978187B
; Publication No. US20030096744A1
; GENERAL INFORMATION:
; APPLICANT: Ashkenazi, Avi
; APPLICANT: Baker Kevin P.
; APPLICANT: Botstein, David
; APPLICANT: Desnovers, Luc
; APPLICANT: Eaton, Dan
; APPLICANT: Ferrara, Napoleon
; APPLICANT: Flivaroff, Ellen
; APPLICANT: Fong, Sherman
; APPLICANT: Gao, Wei-Qiang
; APPLICANT: Gerber, Hanspeter
; APPLICANT: Gerlitsen, Mary E.

```



```
; APPLICANT: Gurney, Austin L.
; APPLICANT: Hillan, Kenneth J.
; APPLICANT: Kljavin, Ivar J.
; APPLICANT: Kuo, Sophia S.
; APPLICANT: Napier, Mary A.
; APPLICANT: Pan, James;
; APPLICANT: Paoni, Nicholas F.
; APPLICANT: Roy, Margaret Ann
; APPLICANT: Shelton, David L.
; APPLICANT: Stewart, Timothy A.
; APPLICANT: Tumas, Daniel
; APPLICANT: Williams, P. Mickey
; APPLICANT: Wood, William I.
; TITLE OF INVENTION: Secreted and Transmembrane Polypeptides and Nucleic
; FILE REFERENCE: P2630PIC16
; CURRENT APPLICATION NUMBER: US/09/978, 643A
; CURRENT FILING DATE: 2001-10-16
; NUMBER OF SEQ ID NOS: 624
; Prior Application removed - See File Wrapper or Palm
; SEQ ID NO 370
; LENGTH: 111
; TYPE: PRT
; ORGANISM: Homo sapiens
US-09-978-643A-370

Query Match      100.0%; Score 587; DB 10; Length 111;
Best Local Similarity 100.0%; Pred. No. 1.4e-55;
Matches 111; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 MSLPPRRAPPVSMRLLAALALLLLALYARVDGSKCSCRKGPRIYSDVKLEMKPKY 60
Db 1 MSLPPRRAPPVSMRLLAALALLLLALYARVDGSKCSCRKGPRIYSDVKLEMKPKY 60

QY 61 PHCEKRWIITTKSVSRYGQEHCHLPKLOSTKRFIKWYNAMNEKRRVYEE 111
Db 61 PHCEKRWIITTKSVSRYGQEHCHLPKLOSTKRFIKWYNAMNEKRRVYEE 111

RESULT 23
US-09-978-375A-370
; Sequence 370, Application US/09978375A
; Publication No. US20030130181A1
; GENERAL INFORMATION:
; APPLICANT: Ashkenazi, Avi
; APPLICANT: Baker Kevin P.
; APPLICANT: Botstein, David
; APPLICANT: Desnovers, Luc
; APPLICANT: Eaton, Dan
; APPLICANT: Ferrara, Napoleon
; APPLICANT: Filvaroff, Ellen
; APPLICANT: Fong, Sherman
; APPLICANT: Gao, Wei-Qiang
; APPLICANT: Gerber, Hanspeter
; APPLICANT: Gerritsen, Mary E.
; APPLICANT: Goddard, Audrey
; APPLICANT: Grimaldi, J. Christopher
; APPLICANT: Hillan, Kenneth J.
; APPLICANT: Kljavin, Ivar J.
; APPLICANT: Kuo, Sophia S.
; APPLICANT: Napier, Mary A.
; APPLICANT: Paoni, Nicholas F.
; APPLICANT: Roy, Margaret Ann
; APPLICANT: Shelton, David L.
; APPLICANT: Stewart, Timothy A.
; APPLICANT: Tumas, Daniel
; APPLICANT: Williams, P. Mickey
; APPLICANT: Wood, William I.
; TITLE OF INVENTION: Secreted and Transmembrane Polypeptides and Nucleic
; FILE REFERENCE: P2630PIC16
; CURRENT APPLICATION NUMBER: US/09/978, 375A
; CURRENT FILING DATE: 2001-10-15
; Prior Application removed - See File Wrapper or Palm
; SEQ ID NO 370
; LENGTH: 111
; TYPE: PRT
; ORGANISM: Homo sapiens
US-09-978-375A-370

Query Match      100.0%; Score 587; DB 10; Length 111;
Best Local Similarity 100.0%; Pred. No. 1.4e-55;
Matches 111; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 MSLPPRRAPPVSMRLLAALALLLLALYARVDGSKCSCRKGPRIYSDVKLEMKPKY 60
Db 1 MSLPPRRAPPVSMRLLAALALLLLALYARVDGSKCSCRKGPRIYSDVKLEMKPKY 60

QY 61 PHCEKRWIITTKSVSRYGQEHCHLPKLOSTKRFIKWYNAMNEKRRVYEE 111
Db 61 PHCEKRWIITTKSVSRYGQEHCHLPKLOSTKRFIKWYNAMNEKRRVYEE 111
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; FILE REFERENCE: P2630PIC24
; CURRENT APPLICATION NUMBER: US/09/978, 375A
; CURRENT FILING DATE: 2002-04-19
; Prior Application removed - See File Wrapper or Palm
; NUMBER OF SEQ ID NOS: 624
; SEQ ID NO 370
; LENGTH: 111
; TYPE: PRT
; ORGANISM: Homo sapiens
US-09-978-375A-370

Query Match      100.0%; Score 587; DB 10; Length 111;
Best Local Similarity 100.0%; Pred. No. 1.4e-55;
Matches 111; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 MSLPPRRAPPVSMRLLAALALLLLALYARVDGSKCSCRKGPRIYSDVKLEMKPKY 60
Db 1 MSLPPRRAPPVSMRLLAALALLLLALYARVDGSKCSCRKGPRIYSDVKLEMKPKY 60

QY 61 PHCEKRWIITTKSVSRYGQEHCHLPKLOSTKRFIKWYNAMNEKRRVYEE 111
Db 61 PHCEKRWIITTKSVSRYGQEHCHLPKLOSTKRFIKWYNAMNEKRRVYEE 111

RESULT 24
US-09-978-298A-370
; Sequence 370, Application US/09978298A
; Publication No. US20030134785A1
; GENERAL INFORMATION:
; APPLICANT: Ashkenazi, Avi
; APPLICANT: Baker Kevin P.
; APPLICANT: Botstein, David
; APPLICANT: Desnovers, Luc
; APPLICANT: Eaton, Dan
; APPLICANT: Ferrara, Napoleon
; APPLICANT: Filvaroff, Ellen
; APPLICANT: Fong, Sherman
; APPLICANT: Gao, Wei-Qiang
; APPLICANT: Gerber, Hanspeter
; APPLICANT: Gerritsen, Mary E.
; APPLICANT: Goddard, Audrey
; APPLICANT: Godowski, Paul J.
; APPLICANT: Grimaldi, J. Christopher
; APPLICANT: Gurney, Austin L.
; APPLICANT: Hillan, Kenneth J.
; APPLICANT: Kljavin, Ivar J.
; APPLICANT: Kuo, Sophia S.
; APPLICANT: Napier, Mary A.
; APPLICANT: Pan, James;
; APPLICANT: Paoni, Nicholas F.
; APPLICANT: Roy, Margaret Ann
; APPLICANT: Shelton, David L.
; APPLICANT: Stewart, Timothy A.
; APPLICANT: Tumas, Daniel
; APPLICANT: Williams, P. Mickey
; APPLICANT: Wood, William I.
; TITLE OF INVENTION: Secreted and Transmembrane Polypeptides and Nucleic
; FILE REFERENCE: P2630PIC2
; CURRENT APPLICATION NUMBER: US/09/978, 298A
; CURRENT FILING DATE: 2001-10-15
; Prior Application removed - See File Wrapper or Palm
; SEQ ID NO 370
; LENGTH: 111
; TYPE: PRT
; ORGANISM: Homo sapiens
US-09-978-298A-370

Query Match      100.0%; Score 587; DB 10; Length 111;
Best Local Similarity 100.0%; Pred. No. 1.4e-55;
Matches 111; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 MSLPPRRAPPVSMRLLAALALLLLALYARVDGSKCSCRKGPRIYSDVKLEMKPKY 60
Db 1 MSLPPRRAPPVSMRLLAALALLLLALYARVDGSKCSCRKGPRIYSDVKLEMKPKY 60

QY 61 PHCEKRWIITTKSVSRYGQEHCHLPKLOSTKRFIKWYNAMNEKRRVYEE 111
Db 61 PHCEKRWIITTKSVSRYGQEHCHLPKLOSTKRFIKWYNAMNEKRRVYEE 111
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1	PRIOR APPLICATION NUMBER: 60/077631
2	PRIOR FILING DATE: 1998-03-11
3	PRIOR APPLICATION NUMBER: 60/077641
4	PRIOR FILING DATE: 1998-03-11
5	PRIOR APPLICATION NUMBER: 60/077649
6	PRIOR FILING DATE: 1998-03-11
7	PRIOR APPLICATION NUMBER: 60/077791
8	PRIOR FILING DATE: 1998-03-12
9	PRIOR APPLICATION NUMBER: 60/078004
10	PRIOR FILING DATE: 1998-03-13
11	PRIOR APPLICATION NUMBER: 60/078886
12	PRIOR FILING DATE: 1998-03-20
13	PRIOR APPLICATION NUMBER: 60/078936
14	PRIOR FILING DATE: 1998-03-20
15	PRIOR APPLICATION NUMBER: 60/078910
16	PRIOR FILING DATE: 1998-03-20
17	PRIOR APPLICATION NUMBER: 60/078939
18	PRIOR FILING DATE: 1998-03-20
19	PRIOR APPLICATION NUMBER: 60/079294
20	PRIOR FILING DATE: 1998-03-25
21	PRIOR APPLICATION NUMBER: 60/079656
22	PRIOR FILING DATE: 1998-03-26
23	PRIOR APPLICATION NUMBER: 60/079664
24	PRIOR FILING DATE: 1998-03-27
25	PRIOR APPLICATION NUMBER: 60/079689
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31	PRIOR APPLICATION NUMBER: 60/079786
32	PRIOR FILING DATE: 1998-03-27
33	PRIOR APPLICATION NUMBER: 60/079920
34	PRIOR FILING DATE: 1998-03-30
35	PRIOR APPLICATION NUMBER: 60/079923
36	PRIOR FILING DATE: 1998-03-30
37	PRIOR APPLICATION NUMBER: 60/080105
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43	PRIOR APPLICATION NUMBER: 60/080194
44	PRIOR FILING DATE: 1998-03-31
45	PRIOR APPLICATION NUMBER: 60/080327
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53	PRIOR APPLICATION NUMBER: 60/081070
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55	PRIOR APPLICATION NUMBER: 60/081049
56	PRIOR FILING DATE: 1998-04-08
57	PRIOR APPLICATION NUMBER: 60/081071
58	PRIOR FILING DATE: 1998-04-08
59	PRIOR APPLICATION NUMBER: 60/081195
60	PRIOR FILING DATE: 1998-04-08
61	PRIOR APPLICATION NUMBER: 60/081203
62	PRIOR FILING DATE: 1998-04-09
63	PRIOR APPLICATION NUMBER: 60/081229
64	PRIOR FILING DATE: 1998-04-09
65	PRIOR APPLICATION NUMBER: 60/081955
66	PRIOR FILING DATE: 1998-04-15
67	PRIOR APPLICATION NUMBER: 60/081817
68	PRIOR FILING DATE: 1998-04-15
69	PRIOR APPLICATION NUMBER: 60/081819
70	PRIOR FILING DATE: 1998-04-15
71	PRIOR APPLICATION NUMBER: 60/081952
72	PRIOR FILING DATE: 1998-04-15
73	PRIOR APPLICATION NUMBER: 60/081838

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; PRIOR APPLICATION NUMBER: 60/085580
; PRIOR FILING DATE: 1998-05-15
; PRIOR APPLICATION NUMBER: 60/085573
; PRIOR FILING DATE: 1998-05-15
; PRIOR APPLICATION NUMBER: 60/085704
; PRIOR FILING DATE: 1998-05-15
; PRIOR APPLICATION NUMBER: 60/085697

Query Match      100.0%; Score 587; DB 10; Length 111;
Best Local Similarity 100.0%; Pred. No. 1.4e-55;
Matches 111; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY      1  MSLLPRRPPVSRRLAAALLLLALYARVDGSKCKSRGPKIRYSDVKLEMKPKY 60
      |||||
Db      1  MSLLPRRPPVSRRLAAALLLLALYARVDGSKCKSRGPKIRYSDVKLEMKPKY 60
      |||||

QY      61 PHCEKRWIITTKSVSRYSRQEHCHLHPKLGSTKRFIKWYNAMNEKRRVYEE 111
      |||||
Db      61 PHCEKRWIITTKSVSRYSRQEHCHLHPKLGSTKRFIKWYNAMNEKRRVYEE 111

RESULT 25
US-09-978-188A-370
; Sequence 370, Application US/09978188A
; Publication No. US20030139328A1
; GENERAL INFORMATION:
; APPLICANT: Ashkenazi, Avi
; APPLICANT: Baker Kevin P.
; APPLICANT: Botstein, David
; APPLICANT: Deenoyers, Luc
; APPLICANT: Baton, Dan
; APPLICANT: Ferrara, Napoleon
; APPLICANT: Flivaroff, Ellen
; APPLICANT: Fong, Sherman
; APPLICANT: Gao, Wei-Qiang
; APPLICANT: Gerber, Hanspeter
; APPLICANT: Gerritsen, Mary E.
; APPLICANT: Goddard, Audrey
; APPLICANT: Godowski, Paul J.
; APPLICANT: Grimaldi, J. Christopher
; APPLICANT: Gurney, Austin L.
; APPLICANT: Hillan, Kenneth J.
; APPLICANT: Kljavin, Ivar J.
; APPLICANT: Kuo, Sophia S.
; APPLICANT: Napier, Mary A.
; APPLICANT: Pan, James;
; APPLICANT: Paoni, Nicholas F.
; APPLICANT: Roy, Margaret Ann
; APPLICANT: Shelton, David L.
; APPLICANT: Stewart, Timothy A.
; APPLICANT: Tumas, Daniel
; APPLICANT: Williams, P. Mickey
; APPLICANT: Wood, William I.
; TITLE OF INVENTION: Secreted and Transmembrane Polypeptides and Nucleic
; FILE OF INVENTION: Acids Encoding the Same
; FILE REFERENCE: P2630P1C8
; CURRENT APPLICATION NUMBER: US/09/978,188A
; CURRENT FILING DATE: 2001-10-15
; PRIOR APPLICATION NUMBER: 09/918585
; PRIOR FILING DATE: 2001-07-30
; PRIOR APPLICATION NUMBER: 60/062250
; PRIOR FILING DATE: 1997-10-17
; PRIOR APPLICATION NUMBER: 60/064249
; PRIOR FILING DATE: 1997-11-03
; PRIOR APPLICATION NUMBER: 60/065311
; PRIOR FILING DATE: 1997-11-13
; PRIOR APPLICATION NUMBER: 60/066364
; PRIOR FILING DATE: 1997-11-21
; PRIOR APPLICATION NUMBER: 60/077450
; PRIOR FILING DATE: 1998-03-10
; PRIOR APPLICATION NUMBER: 60/077632
; PRIOR FILING DATE: 1998-03-11
; PRIOR APPLICATION NUMBER: 60/077641
; PRIOR FILING DATE: 1998-03-11
; PRIOR APPLICATION NUMBER: 60/077649
; PRIOR FILING DATE: 1998-03-11
; PRIOR APPLICATION NUMBER: 60/077791
; PRIOR FILING DATE: 1998-03-12
; PRIOR APPLICATION NUMBER: 60/078004
; PRIOR FILING DATE: 1998-03-13
; PRIOR APPLICATION NUMBER: 60/078886
; PRIOR FILING DATE: 1998-03-20
; PRIOR APPLICATION NUMBER: 60/078936
; PRIOR FILING DATE: 1998-03-20
; PRIOR APPLICATION NUMBER: 60/078910
; PRIOR FILING DATE: 1998-03-20
; PRIOR APPLICATION NUMBER: 60/078939
; PRIOR FILING DATE: 1998-03-20
; PRIOR APPLICATION NUMBER: 60/079294
; PRIOR FILING DATE: 1998-03-25
; PRIOR APPLICATION NUMBER: 60/079656
; PRIOR FILING DATE: 1998-03-26
; PRIOR APPLICATION NUMBER: 60/079664
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; PRIOR APPLICATION NUMBER: 60/079663
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; PRIOR APPLICATION NUMBER: 60/079728
; PRIOR FILING DATE: 1998-03-27
; PRIOR APPLICATION NUMBER: 60/079786
; PRIOR FILING DATE: 1998-03-27
; PRIOR APPLICATION NUMBER: 60/079920
; PRIOR FILING DATE: 1998-03-30
; PRIOR APPLICATION NUMBER: 60/079923
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; PRIOR APPLICATION NUMBER: 60/080105
; PRIOR FILING DATE: 1998-03-31
; PRIOR APPLICATION NUMBER: 60/080107
; PRIOR FILING DATE: 1998-03-31
; PRIOR APPLICATION NUMBER: 60/080165
; PRIOR FILING DATE: 1998-03-31
; PRIOR APPLICATION NUMBER: 60/080194
; PRIOR FILING DATE: 1998-03-31
; PRIOR APPLICATION NUMBER: 60/080327
; PRIOR FILING DATE: 1998-04-01
; PRIOR APPLICATION NUMBER: 60/080328
; PRIOR FILING DATE: 1998-04-01
; PRIOR APPLICATION NUMBER: 60/080333
; PRIOR FILING DATE: 1998-04-01
; PRIOR APPLICATION NUMBER: 60/080334
; PRIOR FILING DATE: 1998-04-01
; PRIOR APPLICATION NUMBER: 60/081070
; PRIOR FILING DATE: 1998-04-08
; PRIOR APPLICATION NUMBER: 60/081049
; PRIOR FILING DATE: 1998-04-08
; PRIOR APPLICATION NUMBER: 60/081071
; PRIOR FILING DATE: 1998-04-08
; PRIOR APPLICATION NUMBER: 60/081195
; PRIOR FILING DATE: 1998-04-08
; PRIOR APPLICATION NUMBER: 60/081203
; PRIOR FILING DATE: 1998-04-09
; PRIOR APPLICATION NUMBER: 60/081229
; PRIOR FILING DATE: 1998-04-09
; PRIOR APPLICATION NUMBER: 60/081955
; PRIOR FILING DATE: 1998-04-15
; PRIOR APPLICATION NUMBER: 60/081817
; PRIOR FILING DATE: 1998-04-15
; PRIOR APPLICATION NUMBER: 60/081819
; PRIOR FILING DATE: 1998-04-15
; PRIOR APPLICATION NUMBER: 60/081952
; PRIOR FILING DATE: 1998-04-15
; PRIOR APPLICATION NUMBER: 60/081838
; PRIOR FILING DATE: 1998-04-15
; PRIOR APPLICATION NUMBER: 60/082568
; PRIOR FILING DATE: 1998-04-21
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GenCore version 5.1.6
Copyright (c) 1993 - 2005 CompuGen Ltd.

OM protein - protein search, using sw model

Run on: June 30, 2005, 07:46:48 ; Search time 163 Seconds
(without alignments)

263.377 Million cell updates/sec

Title: US-10-791-618-2

Perfect score: 587

Sequence: 1 MSLLPRRAPVPSMRLLAAL.....TKRFIKWYNAWNEKRRVYEE 111

Scoring table: BLOSUM62

Gapop 10.0 , Gapext 0.5

Searched: 2105692 seqs, 386760381 residues

Total number of hits satisfying chosen parameters: 2105692

Minimum DB seq length: 0

Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%

Listing first 100 summaries

Database :

A_Geneseq_16Dec04:*

1: Geneseqp1980s:*

2: Geneseqp1990s:*

3: Geneseqp2000s:*

4: Geneseqp2001s:*

5: Geneseqp2002s:*

6: Geneseqp2003as:*

7: Geneseqp2003bs:*

8: Geneseqp2004s:*

Pred. No. is the number of results predicted by chance to have a
score greater than or equal to the score of the result being printed,
and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match	Length	DB ID	Description
1	587	100.0	111	2	AY41739 Human PRO
2	587	100.0	111	2	AY28290 Tim-1 pro
3	587	100.0	111	3	AB33423 Human PRO
4	587	100.0	111	3	AB44295 Human PRO
5	587	100.0	111	4	AB88478 Human mem
6	587	100.0	111	5	ABG70798 Human Bol
7	587	100.0	111	6	ABO25241 Novel hum
8	587	100.0	111	6	ABU72247 Novel hum
9	587	100.0	111	6	AB89340 Amino aci
10	587	100.0	111	6	ABU84927 Human sec
11	587	100.0	111	6	ABU61125 Human PRO
12	587	100.0	111	6	ABU80394 Human sec
13	587	100.0	111	6	ADA24909 Novel hum
14	587	100.0	111	6	ABO19696 Novel hum
15	587	100.0	111	6	ADA12570 Human sec
16	587	100.0	111	6	ABO19587 Novel hum
17	587	100.0	111	7	ADB73876 Human PRO
18	587	100.0	111	7	ADB76592 Human PRO
19	587	100.0	111	7	ADC44018 Human sec
20	587	100.0	111	7	ADC61778 Human sec
21	587	100.0	111	7	ADC63742 Human sec
22	587	100.0	111	7	ADC66842 Human sec
23	587	100.0	111	7	ADC68966 Human sec
24	587	100.0	111	7	ADC63026 Human sec
25	587	100.0	111	7	ADC68091 Human sec

26	587	100.0	111	7	ADC41411	Human sec
27	587	100.0	111	7	ADC67466	Human sec
28	587	100.0	111	7	ADC62402	Human sec
29	587	100.0	111	7	ADC42035	Human sec
30	587	100.0	111	7	ADE49404	Human sec
31	587	100.0	111	7	ADE35458	Human sec
32	587	100.0	111	7	ADE16572	Human sec
33	587	100.0	111	7	ADD73187	Human sec
34	587	100.0	111	7	ADD72545	Human sec
35	587	100.0	111	7	AD17196	Human sec
36	587	100.0	111	7	ADF47210	Human sec
37	587	100.0	111	7	ADG52967	Human sec
38	587	100.0	111	7	ADG60287	Human sec
39	587	100.0	111	7	ADI61047	Human sec
40	587	100.0	111	8	ADE48704	Human sec
41	587	100.0	111	8	ADE89805	Human sec
42	587	100.0	111	8	ADF61445	Human sec
43	587	100.0	111	8	ADF40137	Human sec
44	587	100.0	111	8	ADF45933	Human sec
45	587	100.0	111	8	ADF24329	Human sec
46	587	100.0	111	8	ADF40761	Human sec
47	587	100.0	111	8	ADF23705	Human sec
48	587	100.0	111	8	ADF33688	Human sec
49	587	100.0	111	8	ADF27155	Human sec
50	587	100.0	111	8	ADF27791	Human sec
51	587	100.0	111	8	ADF41385	Human sec
52	587	100.0	111	8	ADF33064	Human sec
53	587	100.0	111	8	ADF25430	Human sec
54	587	100.0	111	8	ADF26531	Human sec
55	587	100.0	111	8	ADF34320	Human sec
56	587	100.0	111	8	ADF46557	Human sec
57	587	100.0	111	8	ADG50543	Human sec
58	587	100.0	111	8	ADG49919	Human sec
59	587	100.0	111	8	ADG51791	Human sec
60	587	100.0	111	8	ADG49295	Human sec
61	587	100.0	111	8	ADG48671	Human sec
62	587	100.0	111	8	ADG51167	Human sec
63	587	100.0	111	8	ADG59111	Human sec
64	587	100.0	111	8	ADG62567	Human sec
65	587	100.0	111	8	ADH25592	Human neu
66	587	100.0	111	8	ADM17369	Human neu
67	587	100.0	111	8	ADM07203	Human sec
68	587	100.0	204	8	ADL07203	Human sec
69	582	99.1	111	2	AAW29291	Human che
70	582	99.1	111	4	AAW29291	Human mac
71	530	90.3	149	4	AAU31032	Novel hum
72	527	89.8	99	2	AAU31612	Human neo
73	527	89.8	99	5	ABW79372	Human SCY
74	527	89.8	99	6	ABG74456	Human neo
75	527	89.8	99	8	ADK66222	Human NEO
76	527	89.8	99	8	ADJ75675	Marker ge
77	522	88.9	99	2	AAW29292	Human che
78	519	88.4	108	4	AAO06902	Human pol
79	509	86.7	95	3	AAU76089	Human CX
80	509	86.7	95	4	AAE05371	Human huK
81	509	86.7	95	5	ABW72228	Human pro
82	509	86.7	95	5	ABW72228	Murine pr
83	506	86.2	99	3	AAU31613	Murine CX
84	506	86.2	99	3	AAU76085	Murine CX
85	506	86.2	99	3	AAU76115	Full-leng
86	506	86.2	99	4	AAW56054	Skin cell
87	506	86.2	99	4	AAW56024	Skin cell
88	506	86.2	99	4	AAW56075	Skin cell
89	506	86.2	99	5	ABW72275	Murine pr
90	506	86.2	99	5	ABW72254	Murine pr
91	506	86.2	99	5	ABW72224	Murine pr
92	506	86.2	99	6	ABG74457	Mouse neo
93	506	86.2	99	6	ADK66225	Mouse NEO
94	505	86.0	94	2	AAU31615	Macaque n
95	505	86.0	94	2	ABG74462	Macaque n
96	505	86.0	94	8	ADK66241	Macaque sp
97	84.7	84.7	92	6	ABU99159	Novel hum
98	497	84.7	92	8	ADM93883	Human NOV

99 495 84.3 99 8 ADJ76372 Marker ge
100 481 81.9 91 2 AAW69993 Revised p

ALIGNMENTS

RESULT 1

AA41739
ID AAY41739 standard; protein; 111 AA.

AC AAY41739;

DT 07-DEC-1999 (first entry)

DE Human PRO273 protein sequence.

KW Human; PRO; EST; expressed sequence tag; PCR primer; hybridisation;
KW probe; blood coagulation disorder; cancer; cellular adhesion disorder;
KW secreted protein; transmembrane protein.

XX Homo sapiens.

XX WO9946281-A2.

XX 16-SEP-1999.

XX 08-MAR-1999; 99WO-US005028.

XX 10-MAR-1998; 98US-0077450P.

PR 11-MAR-1998; 98US-0077632P.

PR 11-MAR-1998; 98US-0077641P.

PR 11-MAR-1998; 98US-0077649P.

PR 12-MAR-1998; 98US-0077791P.

PR 13-MAR-1998; 98US-0078004P.

PR 17-MAR-1998; 98US-00040220.

PR 20-MAR-1998; 98US-0078886P.

PR 20-MAR-1998; 98US-0078910P.

PR 20-MAR-1998; 98US-0078936P.

PR 20-MAR-1998; 98US-0078939P.

PR 25-MAR-1998; 98US-0079229P.

PR 26-MAR-1998; 98US-0079656P.

PR 27-MAR-1998; 98US-0079663P.

PR 27-MAR-1998; 98US-0079664P.

PR 27-MAR-1998; 98US-0079689P.

PR 27-MAR-1998; 98US-0079728P.

PR 27-MAR-1998; 98US-0079786P.

PR 30-MAR-1998; 98US-0079920P.

PR 30-MAR-1998; 98US-0079923P.

PR 31-MAR-1998; 98US-0080105P.

PR 31-MAR-1998; 98US-0080107P.

PR 31-MAR-1998; 98US-0080165P.

PR 31-MAR-1998; 98US-0080194P.

PR 01-APR-1998; 98US-0080327P.

PR 01-APR-1998; 98US-0080328P.

PR 01-APR-1998; 98US-0080333P.

PR 01-APR-1998; 98US-0080334P.

PR 08-APR-1998; 98US-0081049P.

PR 08-APR-1998; 98US-0081070P.

PR 08-APR-1998; 98US-0081071P.

PR 09-APR-1998; 98US-0081195P.

PR 09-APR-1998; 98US-0081203P.

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PR 15-APR-1998; 98US-0081817P.

PR 15-APR-1998; 98US-0081838P.

PR 15-APR-1998; 98US-0081952P.

PR 15-APR-1998; 98US-0081955P.

PR 21-APR-1998; 98US-0082568P.

PR 21-APR-1998; 98US-0082569P.

PR 22-APR-1998; 98US-0082700P.

PR 22-APR-1998; 98US-0082704P.

PR 22-APR-1998; 98US-0082804P.

PR 23-APR-1998; 98US-0082767P.

PR 23-APR-1998; 98US-0082796P.
PR 27-APR-1998; 98US-0083336P.
PR 28-APR-1998; 98US-0083322P.
PR 29-APR-1998; 98US-0083392P.
PR 29-APR-1998; 98US-0083495P.
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PR 29-APR-1998; 98US-0083500P.
PR 29-APR-1998; 98US-0083545P.
PR 29-APR-1998; 98US-0083554P.
PR 29-APR-1998; 98US-0083558P.
PR 29-APR-1998; 98US-0083559P.
PR 30-APR-1998; 98US-0083742P.
PR 05-MAY-1998; 98US-0084366P.
PR 06-MAY-1998; 98US-0084414P.
PR 06-MAY-1998; 98US-0084441P.
PR 07-MAY-1998; 98US-0084598P.
PR 07-MAY-1998; 98US-0084600P.
PR 07-MAY-1998; 98US-0084627P.
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PR 07-MAY-1998; 98US-0084639P.
PR 07-MAY-1998; 98US-0084640P.
PR 07-MAY-1998; 98US-0084643P.
PR 13-MAY-1998; 98US-0085323P.
PR 13-MAY-1998; 98US-0085338P.
PR 13-MAY-1998; 98US-0085339P.
PR 13-MAY-1998; 98US-0085573P.
PR 15-MAY-1998; 98US-0085579P.
PR 15-MAY-1998; 98US-0085580P.
PR 15-MAY-1998; 98US-0085582P.
PR 15-MAY-1998; 98US-0085689P.
PR 15-MAY-1998; 98US-0085697P.
PR 15-MAY-1998; 98US-0085700P.
PR 15-MAY-1998; 98US-0085704P.
PR 18-MAY-1998; 98US-0086023P.
PR 22-MAY-1998; 98US-0086392P.
PR 22-MAY-1998; 98US-0086414P.
PR 22-MAY-1998; 98US-0086430P.
PR 22-MAY-1998; 98US-0086486P.
PR 28-MAY-1998; 98US-0087098P.
PR 28-MAY-1998; 98US-0087106P.
PR 28-MAY-1998; 98US-0087208P.
PR 30-JUL-1998; 98US-0094651P.
PR 11-SEP-1998; 98US-0100038P.
XX
XX (GETH) GENENTECH INC.

Wood WI, Goddard A, Gurney A, Yuan J, Baker KP, Chen J;

WPI; 1999-551358/46.

N-PSDB; AAZ34205.

PT New secreted and transmembrane polypeptides and their polynucleotides,
PT useful for treating blood coagulation disorders, cancers and cellular
PT adhesion disorders.

PS Claim 12; Fig 149; 530pp; English.

XX The present invention describes secreted and transmembrane polypeptides
XX and their polynucleotides. The nucleotide sequences are useful as sources
XX of probes, primers, for chromosome mapping, and for generation of
XX antisense sequences. They can also be used to create transgenic animals.
XX The proteins can be used to treat a variety of diseases and disorders.
XX depending on their function. Diseases that may be treated include blood
XX coagulation disorders, cancers and cellular adhesion disorders. They may
XX also be used to raise antibodies. AAZ33891 to AAZ34338, and AAY41685 to
XX AAY41774 represent polynucleotide and polypeptide sequence given in the
XX exemplification of the present invention

SQ Sequence 111 AA;

Query Match 100.0%; Score 587; DB 2; Length 111;
Best Local Similarity 100.0%; Pred. No. 1.6e-59;

Matches 111; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 MSLPRAPPVSMRLAAALLLLALYARVDGSKCKSRKGPRIYSDVKLEMPKY 60
 Db 1 MSLPRAPPVSMRLAAALLLLALYARVDGSKCKSRKGPRIYSDVKLEMPKY 60

Qy 61 PHCEKRVIIITKSVSRGQEHCLHPKLOSTKRFIKWYNWNEKRRVYEE 111
 Db 61 PHCEKRVIIITKSVSRGQEHCLHPKLOSTKRFIKWYNWNEKRRVYEE 111

RESULT 2
 AAY28290
 ID AAY28290 standard; protein; 111 AA.
 XX
 AC AAY28290;
 XX
 DT 28-SEP-1999 (first entry)
 XX
 DE Tim-1 protein.
 XX
 KW Chemokine; CXC; Tim-1; inflammation; heart attack; stroke; infection; ss;
 KW trauma; radiation; burns; frostbite; corrosive chemical; gene therapy.
 KW
 OS Homo sapiens.
 XX
 XX WO9933990-A1.
 XX
 PD 08-JUL-1999.
 XX
 PF 14-DEC-1998; 98WO-US026546.
 XX
 PR 30-DEC-1997; 97US-0068955P.
 XX
 PA (CHIR) CHIRON CORP.
 XX
 PI Chen TT, Pot D, Kassam A;
 XX
 DR WPI; 1999-430244/36.
 DR N-PSDB; AAX89708.
 XX
 PT A new human CXC chemokine, Tim-1, useful for treating inflammation.
 XX
 PS Claim 1; Page 43; 46pp; English.
 XX
 CC This is the amino acid sequence for the Tim-1 CXC chemokine. The Tim-1
 CC gene can be used to design therapeutic tools for treating inflammation
 CC due to stimuli such as heart attacks and stroke, infection, physical
 CC trauma, UV or ionizing radiation, burns, frostbite or corrosive
 CC chemicals. The Tim-1 gene and subgenomic polynucleotides can be used in
 CC gene therapy
 XX
 SQ Sequence 111 AA;
 XX

Query Match 100.0%; Score 587; DB 2; Length 111;
 Best Local Similarity 100.0%; Pred. No. 1.6e-59;
 Matches 111; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 MSLPRAPPVSMRLAAALLLLALYARVDGSKCKSRKGPRIYSDVKLEMPKY 60
 Db 1 MSLPRAPPVSMRLAAALLLLALYARVDGSKCKSRKGPRIYSDVKLEMPKY 60

Qy 61 PHCEKRVIIITKSVSRGQEHCLHPKLOSTKRFIKWYNWNEKRRVYEE 111
 Db 61 PHCEKRVIIITKSVSRGQEHCLHPKLOSTKRFIKWYNWNEKRRVYEE 111

RESULT 3
 AAB33423
 ID AAB33423 standard; protein; 111 AA.
 XX
 AC AAB33423;
 XX

DT 29-JAN-2001 (first entry)
 XX
 DE Human PRO273 protein UNQ240 SEQ ID NO:46.
 XX
 KW Human; immune related disease; diagnosis; antiinflammatory; cardiant;
 KW dermatological; antiarthritic; antirheumatic; immunosuppressive;
 KW haemostatic; antithyroid; antidiabetic; nootropic; neuroprotective;
 KW antianemic; hepatotropic; virucide; antipsoriatic; antiallergic;
 KW antiasthmatic; systemic lupus erythematosus; rheumatoid arthritis;
 KW osteoarthritis; spondyloarthropathy; systemic sclerosis; sarcoidosis;
 KW idiopathic inflammatory myopathy; Sjogren's syndrome; thyroiditis;
 KW systemic vasculitis; autoimmune haemolytic anaemia; diabetes mellitus;
 KW autoimmune thrombocytopaenia; immune-mediated renal disease;
 KW demyelinating disease; hepatobiliary disease; Whipple's disease;
 KW inflammatory bowel disease; gluten-sensitive enteropathy;
 KW autoimmune disease; immune-mediated skin disease; allergic disease;
 KW immunological disease; transplantation associated disease;
 KW graft rejection; graft-versus-host-disease.
 XX
 OS Homo sapiens.
 XX
 XX WO2000053758-A2.
 XX
 PD 14-SEP-2000.
 XX
 PF 02-MAR-2000; 2000WO-US005841.
 XX
 PR 08-MAR-1999; 99WO-US005028.
 PR 10-MAR-1999; 99US-0123618P.
 PR 12-MAR-1999; 99US-0123957P.
 PR 23-MAR-1999; 99US-0125775P.
 PR 12-APR-1999; 99US-0128849P.
 PR 20-APR-1999; 99WO-US008615.
 PR 28-APR-1999; 99US-0131445P.
 PR 04-MAY-1999; 99US-0132371P.
 PR 14-MAY-1999; 99US-0134287P.
 PR 02-JUN-1999; 99WO-US012252.
 PR 23-JUN-1999; 99US-0141037P.
 PR 20-JUL-1999; 99US-0144758P.
 PR 26-JUL-1999; 99US-0145698P.
 PR 28-JUL-1999; 99US-0146222P.
 PR 01-SEP-1999; 99WO-US020111.
 PR 08-SEP-1999; 99WO-US020594.
 PR 13-SEP-1999; 99WO-US020944.
 PR 15-SEP-1999; 99WO-US021090.
 PR 15-SEP-1999; 99WO-US021547.
 PR 03-OCT-1999; 99WO-US021089.
 PR 23-OCT-1999; 99US-0162506P.
 PR 29-NOV-1999; 99WO-US028214.
 PR 30-NOV-1999; 99WO-US028313.
 PR 01-DEC-1999; 99WO-US028409.
 PR 01-DEC-1999; 99WO-US028301.
 PR 01-DEC-1999; 99WO-US028634.
 PR 02-DEC-1999; 99WO-US028551.
 PR 02-DEC-1999; 99WO-US028564.
 PR 02-DEC-1999; 99WO-US028565.
 PR 16-DEC-1999; 99WO-US030095.
 PR 20-DEC-1999; 99WO-US030999.
 PR 30-DEC-1999; 99WO-US031274.
 PR 03-JAN-2000; 2000WO-US000219.
 PR 06-JAN-2000; 2000WO-US000277.
 PR 06-JAN-2000; 2000WO-US000376.
 PR 11-FEB-2000; 2000WO-US003565.
 PR 18-FEB-2000; 2000WO-US004341.
 PR 18-FEB-2000; 2000WO-US004342.
 PR 22-FEB-2000; 2000WO-US004414.
 XX
 XX (GETH) GENENTECH INC.
 XX
 XX Ashkenazi AJ, Baker KP, Goddard A, Gurney AL, Hebert C, Henzel W;
 PI Kabakoff RC, Lu Y, Pan J, Pennica D, Shelton DL, Smith V;
 PI Stewart TA, Tumas D, Watanabe CK, Wood WI, Yan M;
 XX

DR WPI: 2000-572271/53.
 DR N-PSDB; AAC58588.
 XX
 PT Sixty four PRO polypeptides, useful in the diagnosis and treatment of
 PT immune related disorders, e.g. systemic lupus erythematosus, rheumatoid
 PT arthritis, osteoarthritis, thyroiditis and diabetes mellitus.
 XX
 PS Claim 33; Fig 20; 309pp; English.
 XX
 CC The present invention describes sixty four human PRO proteins which can
 CC be used in the treatment of immune related diseases. The human PRO
 CC proteins, anti-PRO antibodies, agonists and antagonists are useful for
 CC treating and diagnosing immune related disorders. The disorders are
 CC selected from systemic lupus erythematosus, rheumatoid arthritis,
 CC osteoarthritis, juvenile chronic arthritis, spondyloarthropathies,
 CC systemic sclerosis, idiopathic inflammatory myopathies, Sjogren's
 CC syndrome, systemic vasculitis, sarcoidosis, autoimmune haemolytic
 CC anaemia, autoimmune thrombocytopenia, thyroiditis, diabetes mellitus,
 CC immune-mediated renal disease, demyelinating diseases of the central and
 CC peripheral nervous systems, hepatobiliary diseases, inflammatory bowel
 CC disease, gluten-sensitive enteropathy and Whipple's disease, autoimmune
 CC or immune-mediated skin diseases, allergic diseases, immunological
 CC diseases of the lung, and transplantation associated diseases including
 CC graft rejection and graft-versus-host-disease. AAC58397 to AAC58578
 CC represent PCR primers and hybridisation probes used in the isolation of
 CC human PRO sequences. AAC58579 to AAC58642 and AAB33414 to AAB33477
 CC represent human PRO polynucleotide and protein sequences given in the
 CC exemplification of the present invention
 XX
 SQ Sequence 111 AA;
 Query Match 100.0%; Score 587; DB 3; Length 111;
 Best Local Similarity 100.0%; Pred. No. 1.6e-59;
 Matches 111; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
 QY 1 MSLPPRAPPVSMRLAAALLLLALLALYARVDGSKCKSRGPKIRYSDVKLEMPKY 60
 DB 1 MSLPPRAPPVSMRLAAALLLLALLALYARVDGSKCKSRGPKIRYSDVKLEMPKY 60
 QY 61 PHCEKMWIITTSVSRGQEHCLHPKLOSTKRFIKWYNANNEKRRVYEE 111
 DB 61 PHCEKMWIITTSVSRGQEHCLHPKLOSTKRFIKWYNANNEKRRVYEE 111
 RESULT 4
 AAB44295
 ID AAB44295 standard; protein; 111 AA.
 AC AAB44295;
 XX
 DT 08-FEB-2001 (first entry)
 XX
 DE Human PRO273 (UNQ240) protein sequence SEQ ID NO:370.
 KW Human; secreted protein; transmembrane protein; PRO; EST; cytostatic;
 KW expressed sequence tag; detection; cancer.
 XX
 OS Homo sapiens.
 XX
 PN WO200053756-A2.
 XX
 PD 14-SEP-2000.
 XX
 PF 18-FEB-2000; 2000WO-US0004341.
 XX
 PR 08-MAR-1999; 99WO-US0005028.
 PR 12-MAR-1999; 99US-0123957P.
 PR 29-MAR-1999; 99US-0126773P.
 PR 21-APR-1999; 99US-0130232P.
 PR 28-APR-1999; 99US-0131445P.
 PR 14-MAY-1999; 99US-0134287P.
 PR 23-JUN-1999; 99US-0141037P.
 PR 26-JUL-1999; 99US-0145698P.
 PR
 29-OCT-1999; 99US-0162506P.
 PR 30-NOV-1999; 99WO-US028313.
 PR 02-DEC-1999; 99WO-US028551.
 PR 16-DEC-1999; 99WO-US028565.
 PR 30-DEC-1999; 99WO-US030095.
 PR 30-DEC-1999; 99WO-US031243.
 PR 05-JAN-2000; 99WO-US031274.
 PR 06-JAN-2000; 2000WO-US000219.
 PR 06-JAN-2000; 2000WO-US000277.
 PR 06-JAN-2000; 2000WO-US000376.
 XX
 XX (GETH) GENENTECH INC.
 XX
 PI Ashkenazi AJ, Baker KP, Botstein D, Desnoyers L, Eaton DL;
 PI Ferrara N, Filvaroff E, Fong S, Gao W, Gerber H, Gerritsen MF;
 PI Goddard A, Godowski PJ, Grimaldi CJ, Gurney AL, Hillan KJ;
 PI Kijavitt IJ, Kuo SS, Napier MA, Pan J, Paoni NF, Roy MA, Shelton DL;
 PI Stewart TA, Tumas D, Williams PM, Wood WI;
 XX
 DR WPI: 2000-611443/58.
 DR N-PSDB; AAC78551.
 XX
 PT Novel PRO polypeptides and polynucleotides used in detection methods, to
 PT target bioactive molecules to specific cells, and to modulate cellular
 PT activities.
 XX
 PS Claim 12; Fig 149; 636pp; English.
 XX
 CC AAC78458 to AAC78599 represent polynucleotide and EST (expressed sequence
 CC tag) sequences which encode secreted or transmembrane PRO polypeptides.
 CC The PRO polynucleotides and polypeptides have cytostatic activity. The
 CC polynucleotides and polypeptides can be used for detecting the presence
 CC of PRO polypeptides in samples, for linking bioactive molecules to cells
 CC and for modulating biological activities of cells, using the polypeptides
 CC for specific targeting. The polypeptide targeting can be used to kill the
 CC target cells, e.g. for the treatment of cancers. The polypeptide pairs
 CC provide specific targeting of bioactive molecules to cells. AAC78600 to
 CC AAC78987 represent PCR primers and probes used in the isolation of the
 CC PRO polynucleotide sequences
 XX
 SQ Sequence 111 AA;
 Query Match 100.0%; Score 587; DB 3; Length 111;
 Best Local Similarity 100.0%; Pred. No. 1.6e-59;
 Matches 111; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
 QY 1 MSLPPRAPPVSMRLAAALLLLALLALYARVDGSKCKSRGPKIRYSDVKLEMPKY 60
 DB 1 MSLPPRAPPVSMRLAAALLLLALLALYARVDGSKCKSRGPKIRYSDVKLEMPKY 60
 QY 61 PHCEKMWIITTSVSRGQEHCLHPKLOSTKRFIKWYNANNEKRRVYEE 111
 DB 61 PHCEKMWIITTSVSRGQEHCLHPKLOSTKRFIKWYNANNEKRRVYEE 111
 RESULT 5
 AAB88478
 ID AAB88478 standard; protein; 111 AA.
 AC AAB88478;
 XX
 DT 23-MAY-2001 (first entry)
 XX
 DE Human membrane or secretory protein clone PSEC0212.
 KW Human; secretory protein; membrane protein; vaccine; gene therapy;
 KW rheumatoid arthritis; diabetes.
 OS Homo sapiens.
 XX
 PN EP1067182-A2.
 XX
 PD 10-JAN-2001.

XX 07-JUL-2000; 2000EP-00114090.
 XX 08-JUL-1999; 99JP-00194179.
 PR 11-JAN-2000; 2000JP-00118775.
 PR 02-MAY-2000; 2000JP-00183766.
 XX (HELI-) HELIX RES INST.
 XX
 PI Ota T, Isogai T, Nishikawa T, Kawai Y, Sugiyama T, Hayashi K;
 XX WPI: 2001-093989/11.
 DR N-PSDB; AAF93905.
 XX
 DR Nucleic acids encoding secretory proteins/membrane proteins, useful in
 PT gene therapy or as candidate target molecules in drug development.
 PT
 XX Claim 1; SEQ ID NO 324; 609pp + Sequence Listing; English.
 XX
 CC This invention relates to nucleic acid sequences AAF93744 - AAF93916
 CC which encode human secretory or membrane proteins represented by AAB88317
 CC - AAB88419. Included in the invention are primers AAF93917 - AAF94295 and
 CC AAF62232 - AAF62235 which are used to isolate the cDNA sequences of the
 CC invention. The invention also includes methods for the production of
 CC antibodies directed against the proteins, and cDNA sequences, which can
 CC be used in vaccines. The polynucleotide sequences can be used in gene
 CC therapy. The polynucleotide sequences and the proteins they encode may be
 CC used in the prevention, treatment and diagnosis of diseases associated
 CC with inappropriate secretory protein/membrane protein expression. The
 CC nucleic acids and complementary sequences may also be used as DNA probes
 CC in diagnostic assays (e.g. polymerase chain reactions (PCR)) to detect
 CC and quantify the presence of similar nucleic acid sequences in samples.
 CC They may also be used to study the expression and function of secretory
 CC proteins/membrane polypeptides and their role in metabolism. The
 CC polypeptides may be used as antigens in the production of antibodies
 CC against them and in assays to identify modulators (agonists and
 CC antagonists) of expression and activity. The antibodies and antagonists
 CC may also be used as therapeutic agents to down regulate expression and
 CC activity. The antibodies may also be used as diagnostic agents for
 CC detecting the presence of the polypeptides in samples (e.g. by enzyme
 CC linked immunosorbent assay (ELISA). Examples of diseases which may be
 CC treated include rheumatoid arthritis and diabetes
 XX
 SQ Sequence 111 AA;
 Query Match 100.0%; Score 587; DB 4; Length 111;
 Best Local Similarity 100.0%; Pred. No. 1.6e-59;
 Matches 111; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
 Qy 1 MSLPRAPPVSMELAAALLLLALYARVDSKCKSRKPKIRYSDVKLEMPKY 60
 Db 1 MSLPRAPPVSMELAAALLLLALYARVDSKCKSRKPKIRYSDVKLEMPKY 60
 Qy 61 PHCEKRVITTSVSRVSGEHLCHLPKLOSTKRFIKWYNAWNEKRVYEE 111
 Db 61 PHCEKRVITTSVSRVSGEHLCHLPKLOSTKRFIKWYNAWNEKRVYEE 111
 RESULT 6
 ABG70798
 ID ABG70798 standard; protein; 111 AA.
 XX
 AC ABG70798;
 XX
 DT 16-DEC-2002 (first entry)
 XX
 DE Human Bolekine protein.
 XX
 KW Human; Bolekine; leukocyte; immune response; chemokine;
 KW leukocyte trafficking; adhesion; endothelial cell; chemoattractant;
 KW proliferation; activation; systemic lupus erythematosus; arthritis;
 KW angiogenesis; systemic sclerosis; autoimmune haemolytic anaemia;
 KW thyroiditis; diabetes mellitus; renal disease; demyelinating disease;

KW nervous system; polyneuropathy; hepatitis; primary biliary cirrhosis;
 KW inflammatory bowel disease; autoimmune skin disease; alopecia; psoriasis;
 KW allergy; asthma; atopic dermatitis; food hypersensitivity; lung disease;
 KW stroke; encephalitis; multiple sclerosis; agonist; antagonist;
 KW T-lymphocyte; mononuclear cell; eosinophil; polymorphonuclear neutrophil;
 KW PMN; pluripotent cell; neuronal cell; MAP2; transgenic; therapeutic;
 KW gene therapy; tumour; neovascularisation.
 XX
 OS Homo sapiens.
 XX
 FH Key Location/Qualifiers
 FT Peptide 1..34
 FT Protein /label= Signal_peptide
 FT /label= Mature_Bolekine
 FT Modified-site 35..111
 FT 80..85
 FT /note= "N-myristoylation site"
 XX
 XX US2002119118-A1.
 XX 29-AUG-2002.
 XX 22-MAR-2001; 2001US-00816920.
 XX 03-NOV-1997; 97US-0064249P.
 PR 27-APR-1998; 98US-0083336P.
 PR 08-MAR-1999; 99WO-US005028.
 PR 18-FEB-2000; 2000WO-US004341.
 PR 02-MAR-2000; 2000WO-US005841.
 XX (GETH) GENENTECH INC.
 XX Fong S, Goddard A, Hillan KJ, Roth I, Wood WI;
 WPI: 2002-740172/80.
 N-PSDB; ABS55212.
 XX
 PT Novel Bolekine polypeptide useful for identifying agonist and antagonist
 PT of the polypeptide, and for treating immune related disorder, e.g.
 PT systemic lupus erythematosus and rheumatoid arthritis in a mammal.
 XX
 PS Claim 15; Fig 2; 63pp; English.
 XX
 CC The invention discloses a human Bolekine polypeptide, or its fragment.
 CC Leukocytes play a important role in the immune response and the processes
 CC by which these cells move to their appropriate destination is critical.
 CC Chemokines are involved in leukocyte trafficking by mediating the
 CC expression of adhesion molecules on endothelial cells, producing
 CC chemoattractants, stimulate proliferation and regulate activation of
 CC specific cell types. The polynucleotide, polypeptide and antibodies
 CC raised against the polypeptide are useful for treating an immune related
 CC disorder in a mammal, such as systemic lupus erythematosus, arthritis,
 CC angiogenesis, systemic sclerosis, autoimmune haemolytic anaemia,
 CC thyroiditis, diabetes mellitus, renal disease, demyelinating disease of
 CC the central or peripheral nervous system, polyneuropathy, hepatitis,
 CC primary biliary cirrhosis, inflammatory bowel disease, an autoimmune or
 CC immune-mediated skin disease, alopecia, psoriasis, allergic disease,
 CC asthma, atopic dermatitis, food hypersensitivity, immunologic disease of
 CC the lung, stroke, encephalitis and multiple sclerosis. The polypeptides
 CC and polynucleotides are also useful for identifying a compound (agonist
 CC or antagonist) that inhibits the expression of activity of Bolekine, for
 CC diagnosing an immune related disease in a mammal, for modulating the
 CC proliferation of T-lymphocytes for enhancing the infiltration of
 CC inflammatory cells (such as mononuclear cells, eosinophils and
 CC polymorphonuclear neutrophils (PMNs)) into a tissue of a mammal and for
 CC inducing the differentiation of pluripotent cells into neuronal cells in
 CC a mammal, where the cells differentiate to a state such that neuronal
 CC markers (e.g. MAP2) are detected. The polynucleotides are also useful for
 CC generating transgenic or knock out animals which can be used in the
 CC development and screening of therapeutically useful agents, in gene
 CC therapy, chromosome markers and diagnostically for tissue typing and for
 CC treating tumours by inhibiting the neovascularisation. The sequence
 CC presented is the human Bolekine protein

XX	SQ	Sequence 111 AA;
	Query Match	100.0%; Score 587; DB 5; Length 111;
	Best Local Similarity	100.0%; Pred. No. 1.6e-59;
	Matches 111; Conservative	0; Mismatches 0; Indels 0; Gaps 0;
Oy	1 MSLLPRAPPVSMRELLAAALLLLLALYATRVGSKCKSRKPKIRYSVDVKLEMKPKY	60
Dd	1 MSLLPRAPPVSMRELLAAALLLLLALYATRVGSKCKSRKPKIRYSVDVKLEMKPKY	60
Oy	61 PHCEEKVITTSVSRYRGQHCHLPHKLQSTKRFIKWYNANNEKKRVRVEE	111
Dd	61 PHCEEKVITTSVSRYRGQHCHLPHKLQSTKRFIKWYNANNEKKRVRVEE	111
RESULT 7		
ABO25241		
ID	ABO25241 standard; protein; 111 AA.	
AC	ABO25241;	
XX	09-SEP-2003 (first entry)	
DT		
DE	Novel human secreted and transmembrane protein PRO273.	
KW	Human; secreted and transmembrane protein; PRO; virucide; gene therapy;	
KW	cell death; growth induction cascade; blood coagulation cascade;	
KW	viral infection.	
OS	Homo sapiens.	
PN	US2003050239-A1.	
XX		
FD	13-MAR-2003.	
XX		
PF	15-OCT-2001; 2001US-00978191.	
XX		
PR	17-OCT-1997; 97US-00622250P.	
PR	13-NOV-1997; 97US-0064249P.	
PR	13-NOV-1997; 97US-0065311P.	
PR	21-NOV-1997; 97US-0066384P.	
PR	10-MAR-1998; 98US-0077450P.	
PR	11-MAR-1998; 98US-0077632P.	
PR	11-MAR-1998; 98US-0077641P.	
PR	11-MAR-1998; 98US-0077649P.	
PR	12-MAR-1998; 98US-0077791P.	
PR	13-MAR-1998; 98US-0078004P.	
PR	17-MAR-1998; 98US-00040220.	
PR	20-MAR-1998; 98US-0078886P.	
PR	20-MAR-1998; 98US-0078910P.	
PR	20-MAR-1998; 98US-0078936P.	
PR	20-MAR-1998; 98US-0078939P.	
PR	25-MAR-1998; 98US-0079294P.	
PR	26-MAR-1998; 98US-0079656P.	
PR	27-MAR-1998; 98US-0079663P.	
PR	27-MAR-1998; 98US-0079664P.	
PR	27-MAR-1998; 98US-0079689P.	
PR	27-MAR-1998; 98US-0079728P.	
PR	27-MAR-1998; 98US-0079786P.	
PR	30-MAR-1998; 98US-0079920P.	
PR	30-MAR-1998; 98US-0079923P.	
PR	31-MAR-1998; 98US-0080105P.	
PR	31-MAR-1998; 98US-0080107P.	
PR	31-MAR-1998; 98US-0080165P.	
PR	31-MAR-1998; 98US-0080194P.	
PR	01-APR-1998; 98US-0080327P.	
PR	01-APR-1998; 98US-0080328P.	
FR	01-APR-1998; 98US-0080333P.	
PR	01-APR-1998; 98US-0080334P.	
PR	08-APR-1998; 98US-0081049P.	
PR	08-APR-1998; 98US-0081070P.	
PR	08-APR-1998; 98US-0081071P.	
98US-0081195F,		
98US-0081203P,		
98US-0081229P,		
98US-0081817P,		
98US-0081819P,		
98US-0081838P,		
98US-0081952P,		
98US-0081955P,		
98US-0082568P,		
98US-0082569P,		
98US-0082700P,		
98US-0082704P,		
98US-0082797P,		
98US-0082804P,		
98US-0082796P,		
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98US-0083332P,		
98US-0083392P,		
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98US-0086392P,		
98US-0086414P,		
98US-0086430P,		
98US-0086486P,		
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98US-0087106P,		
98US-0087208P,		
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98US-0090863P,		
98US-0091010P,		
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98US-0094651P,		
98US-0100038P,		
98US-0016897P,		

PR 08-APR-1998; 98US-0081071P.
PR 09-APR-1998; 98US-0081195P.
PR 09-APR-1998; 98US-0081203P.
PR 09-APR-1998; 98US-0081229P.
PR 15-APR-1998; 98US-0081817P.
PR 15-APR-1998; 98US-0081819P.
PR 15-APR-1998; 98US-0081838P.
PR 15-APR-1998; 98US-0081952P.
PR 15-APR-1998; 98US-0081955P.
PR 21-APR-1998; 98US-0082568P.
PR 21-APR-1998; 98US-0082569P.
PR 22-APR-1998; 98US-0082700P.
PR 22-APR-1998; 98US-0082704P.
PR 22-APR-1998; 98US-0082797P.
PR 22-APR-1998; 98US-0082804P.
PR 23-APR-1998; 98US-0082796P.
PR 07-OCT-1998; 98WO-US021141.
PR 20-NOV-1998; 98WO-US024855.
PR 05-JAN-1999; 99WO-US000106.
PR 08-MAR-1999; 99WO-US005028.
PR 10-MAR-1999; 99WO-US005190.
PR 14-MAY-1999; 99WO-US010733.
PR 02-JUN-1999; 99WO-US012252.
PR 30-NOV-1999; 99WO-US028313.
PR 02-DEC-1999; 99WO-US028551.
PR 02-DEC-1999; 99WO-US028565.
PR 16-DEC-1999; 99WO-US030095.
PR 30-DEC-1999; 99WO-US031243.
PR 30-DEC-1999; 99WO-US031274.
PR 05-JAN-2000; 2000WO-US000219.
PR 06-JAN-2000; 2000WO-US000277.
PR 08-JAN-2000; 2000WO-US000376.
PR 11-FEB-2000; 2000WO-US003565.
PR 18-FEB-2000; 2000WO-US004341.
PR 24-FEB-2000; 2000WO-US005004.
PR 02-MAR-2000; 2000WO-US005841.
PR 10-MAR-2000; 2000WO-US006319.
PR 21-MAR-2000; 2000WO-US007532.
PR 30-MAR-2000; 2000WO-US008439.
PR 17-MAY-2000; 2000WO-US013705.
PR 22-MAY-2000; 2000WO-US014042.
PR 30-MAY-2000; 2000WO-US014941.
PR 02-JUN-2000; 2000WO-US015264.
PR 28-JUL-2000; 2000WO-US020710.
PR 24-AUG-2000; 2000WO-US023328.
PR 01-DEC-2000; 2000WO-US032678.
PR 20-DEC-2000; 2000WO-US034956.
PR 28-FEB-2001; 2001WO-US006520.
PR 22-MAR-2001; 2001WO-US009552.
PR 23-MAY-2001; 2001WO-US017092.
PR 01-JUN-2001; 2001WO-US017800.
PR 20-JUN-2001; 2001WO-US019692.
PR 29-JUN-2001; 2001WO-US021066.
PR 09-JUL-2001; 2001WO-US021735.
PA (GETH) GENENTECH INC.
XX
PI Ashkenazi AJ, Baker KP, Botstein D, Desnoyers L, Eaton DL;
PI Ferrara N, Filvaroff E, Fong S, Gao W, Gerber H, Gerritsen ME;
PI Goddard A, Godowski PJ, Grimaldi JC, Gurney AL, Hillan KJ;
PI Kljavin IJ, Kuo SS, Napier MA, Pan J, Paoni NF, Roy MA, Shelton DL;
PI Stewart TA, Tumas D, Williams PM, Wood WI;
XX WPI; 2003-328860/31.
DR N-PSDB; ACA63773.
XX
PT New secreted and transmembrane nucleic acids and polypeptides, designated
PT as PRO, useful for treating inflammation, organ failure, atherosclerosis,
PT cardiac injury, infertility, birth defects, premature aging, AIDS, or
PT cancer.
XX
PS Claim 12; Fig 149; 453pp; English.
XX

CC The invention describes an isolated nucleic acid (I) comprising, or which
CC is at least 80 % sequence identity to, or the full-length coding sequence
CC of, any of 118 300-2100 nucleotide sequences, which encodes its
CC corresponding PRO polypeptide selected from 118 100-700 amino acid
CC sequences, all given in the specification. The nucleic acids and
CC polypeptides are useful for treating inflammatory diseases, organ
CC failure, atherosclerosis, cardiac injury, infertility, birth defects,
CC premature aging, AIDS, cancer, or diabetic complications. The nucleic
CC acids are useful as hybridisation probes, in chromosome and gene mapping,
CC and in generating antisense RNA or DNA. The polypeptides are useful as
CC pharmaceuticals, diagnostics, biosensors or bioreactors. Both are useful
CC in tissue typing. This is the amino acid sequence of a novel human
CC secreted and transmembrane PRO polypeptide
XX Sequence 111 AA;
SQ

Query Match 100.0%; Score 587; DB 6; Length 111;
Best Local Similarity 100.0%; Pred. No. 1.6e-59;
Matches 111; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 MSLPPRRAPPVSMRLLAALLLLLLLALYARVDGSKCKSRKPKIRYSVKKLEMKPKY 60
DB 1 MSLPPRRAPPVSMRLLAALLLLLLLALYARVDGSKCKSRKPKIRYSVKKLEMKPKY 60
QY 61 PHCEKMWIITTKSVSRYGQEHLPKLOSTKRFIKWYNAWNEKRRVYEE 111
DB 61 PHCEKMWIITTKSVSRYGQEHLPKLOSTKRFIKWYNAWNEKRRVYEE 111

RESULT 9
ABB99340
ID ABB99340 standard; protein; 111 AA.
XX
AC ABB99340;
XX
DT 29-JAN-2003 (first entry)
XX
DE Amino acid sequence of Human Bolekine.
XX
KW Human; Bolekine; T-lymphocyte proliferation; immune related disorder;
KW systemic lupus erythematosus; rheumatoid arthritis; osteoarthritis;
KW juvenile chronic arthritis; spondyloarthritis; systemic sclerosis;
KW idiopathic inflammatory myopathy; Sjogren's syndrome;
KW systemic vasculitis; sarcoidosis; autoimmune haemolytic anaemia;
KW autoimmune thrombocytopaenia; thyroiditis; diabetes mellitus;
KW immune-mediated renal disease; demyelinating disease;
KW idiopathic demyelinating polyneuropathy; Guillen-Barre syndrome;
KW chronic inflammatory demyelinating polyneuropathy; hepatobiliary disease;
KW hepatitis; primary biliary cirrhosis; granulomatous hepatitis;
KW sclerosing cholangitis; inflammatory bowel disease;
KW gluten-sensitive enteropathy; Whipple's disease; skin disease;
KW erythema multiforme; contact dermatitis; psoriasis; allergy; asthma;
KW allergic rhinitis; atopic dermatitis; food hypersensitivity; urticaria;
KW eosinophilic pneumonia; idiopathic pulmonary fibrosis;
KW hypersensitivity pneumonitis; graft rejection; graft-versus-host disease;
KW gene therapy.
XX
OS Homo sapiens.
XX
FH Key Location/Qualifiers
FT Peptide 1..34
FT Modified-site 80..85 /note= "signal peptide"
FT /note= "N-myristoylation site"
XX
PN WO200277028-A1.
XX
PD 03-OCT-2002.
XX
PF 22-MAR-2001; 2001WO-US009552.
XX
PR 22-MAR-2001; 2001WO-US009552.
XX

(GETH) GENENTECH INC.

Fong S, Goddard A, Hillan KJ, Roth I, Wood WI;

WPI; 2003-018887/01.

N-PSDB; ABV72423.

New Bolekine polypeptides and encoding nucleic acids, useful for treating an immune related disorder such as systemic lupus erythematosus, rheumatoid arthritis, psoriasis, asthma, allergic rhinitis and atopic dermatitis.

Claim 15; Fig 2; 96pp; English.

The present sequence represents a human Bolekine polypeptide. Bolekine polypeptides are active stimulators of the proliferation of T-lymphocytes. Bolekine polypeptides and polynucleotides are useful for treating an immune related disorder e.g. systemic lupus erythematosus, rheumatoid arthritis, osteoarthritis, juvenile chronic arthritis, a spondyloarthropathy, systemic sclerosis, an idiopathic inflammatory myopathy, Sjogren's syndrome, systemic vasculitis, sarcoidosis, autoimmune haemolytic anaemia, autoimmune thrombocytopenia, thyroiditis, diabetes mellitus, immune-mediated renal disease, a demyelinating disease of the central or peripheral nervous system, an idiopathic demyelinating polyneuropathy, Guillen-Barre syndrome, a chronic inflammatory demyelinating polyneuropathy, a hepatobiliary disease, infectious or autoimmune chronic active hepatitis, primary biliary cirrhosis, granulomatous hepatitis, sclerosing cholangitis, inflammatory bowel disease, gluten-sensitive enteropathy, Whipple's disease, an autoimmune or immune-mediated skin disease, a bullous skin disease, erythema multiforme, contact dermatitis, psoriasis, an allergic disease, asthma, allergic rhinitis, atopic dermatitis, food hypersensitivity, urticaria, an immunologic disease of the lung, eosinophilic pneumonia, idiopathic pulmonary fibrosis, hypersensitivity pneumonitis, a transplantation associated disease, graft rejection or graft-versus-host disease. The Bolekine polypeptides and encoding nucleic acid molecules can also be used as hybridization probes, for generation of transgenic animal, gene therapy, as molecular weight markers, chromosome identification and tissue typing

Sequence 111 AA;

Query Match 100.0%; Score 587; DB 6; Length 111;

Best Local Similarity 100.0%; Pred. No. 1.6e-59;

Matches 111; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 MSLPRAPPVSMELAAALLLLALYARVDGSKCKSRGPKIRYSDVKLEMPKY 60

Db 1 MSLPRAPPVSMELAAALLLLALYARVDGSKCKSRGPKIRYSDVKLEMPKY 60

Qy 61 PHCEKMWIITKSVSRGQEHCLHPKIQSTKRFIKWYNAWNEKRRVYEE 111

Db 61 PHCEKMWIITKSVSRGQEHCLHPKIQSTKRFIKWYNAWNEKRRVYEE 111

RESULT 10

ABU84927

ID ABU84927 standard; protein; 111 AA.

XX ABU84927;

AC ABU84927;

PT 12-AUG-2003 (first entry)

Human secreted and transmembrane PRO polypeptide #3.

Human; thrombolytic agent; interferon; interleukin; cytokine; erythropoietin; colony stimulating factor; cancer; colorectal carcinoma; apoptosis related condition; AIDS; amyotrophic lateral sclerosis; inflammatory disease; asthma; atherosclerosis; neurodegenerative disease; gastrointestinal disorder; Alzheimer's disease; Parkinson's disease; hypertension; myocardial ischemia; kidney disease; carcinogenesis; glomerulonephritis; lung disease; pulmonary hypertension; preeclampsia; bronchial asthma; gastric ulcer; renal failure; cardiovascular disease;

inflammatory bowel disease; reproductive disorder; premature labour.

Homo sapiens.

US2002177553-A1.

XX 28-NOV-2002.

XX 15-OCT-2001; 2001US-00978192.

PR 17-OCT-1997; 97US-0062250P.

PR 13-NOV-1997; 97US-0064249P.

PR 21-NOV-1997; 97US-0085311P.

PR 10-MAR-1998; 98US-0066364P.

PR 11-MAR-1998; 98US-0077450P.

PR 11-MAR-1998; 98US-0077641P.

PR 11-MAR-1998; 98US-0077649P.

PR 12-MAR-1998; 98US-0077791P.

PR 13-MAR-1998; 98US-0078004P.

PR 17-MAR-1998; 98US-00040220.

PR 20-MAR-1998; 98US-0078886P.

PR 20-MAR-1998; 98US-0078910P.

PR 20-MAR-1998; 98US-0078936P.

PR 20-MAR-1998; 98US-0078939P.

PR 26-MAR-1998; 98US-0079294P.

PR 25-MAR-1998; 98US-0079656P.

PR 27-MAR-1998; 98US-0079663P.

PR 27-MAR-1998; 98US-0079664P.

PR 27-MAR-1998; 98US-0079689P.

PR 27-MAR-1998; 98US-0079786P.

PR 30-MAR-1998; 98US-0079920P.

PR 30-MAR-1998; 98US-0079923P.

PR 26-JUN-1998; 98US-00105413.

PR 07-OCT-1998; 98US-00168378.

PR 02-NOV-1998; 98WO-US021141.

PR 06-NOV-1998; 98US-00184216.

PR 20-NOV-1998; 98WO-US024855.

PR 07-DEC-1998; 98US-00202054.

PR 22-DEC-1998; 98US-00218517.

PR 05-JAN-1999; 99WO-US000106.

PR 05-MAR-1999; 99US-00254465.

PR 08-MAR-1999; 99WO-US005028.

PR 10-MAR-1999; 99US-00265686.

PR 10-MAR-1999; 99WO-US005190.

PR 12-MAR-1999; 99US-00267213.

PR 12-APR-1999; 99US-00284291.

PR 14-MAY-1999; 99US-00311832.

PR 14-MAY-1999; 99WO-US010733.

PR 02-JUN-1999; 99WO-US012252.

PR 25-AUG-1999; 99US-00380137.

PR 25-AUG-1999; 99US-00380138.

PR 30-NOV-1999; 99WO-US028313.

PR 02-DEC-1999; 99WO-US028551.

PR 02-DEC-1999; 99WO-US028565.

PR 16-DEC-1999; 99WO-US030095.

PR 30-DEC-1999; 99WO-US031243.

PR 30-DEC-1999; 99WO-US031274.

PR 05-JAN-2000; 2000WO-US000219.

PR 06-JAN-2000; 2000WO-US000277.

PR 11-FEB-2000; 2000WO-US000376.

PR 18-FEB-2000; 2000WO-US004341.

PR 24-FEB-2000; 2000WO-US005004.

PR 02-MAR-2000; 2000WO-US005841.

PR 10-MAR-2000; 2000WO-US006319.

PR 21-MAR-2000; 2000WO-US007532.

PR 30-MAR-2000; 2000WO-US008439.

PR 17-MAY-2000; 2000WO-US013705.

PR 22-MAY-2000; 2000WO-US014042.

PR 12-APR-1999; 99US-00284291.
PR 14-MAY-1999; 99US-00311832.
PR 14-MAY-1999; 99WO-US010733.
PR 02-JUN-1999; 99WO-US012252.
PR 25-AUG-1999; 99US-00380137.
PR 25-AUG-1999; 99US-00380138.
PR 25-AUG-1999; 99US-00380142.
PR 30-NOV-1999; 99WO-US028313.
PR 02-DEC-1999; 99WO-US028551.
PR 02-DEC-1999; 99WO-US028565.
PR 16-DEC-1999; 99WO-US030095.
PR 30-DEC-1999; 99WO-US031243.
PR 30-DEC-1999; 99WO-US031274.
PR 05-JAN-2000; 2000WO-US000219.
PR 06-JAN-2000; 2000WO-US000277.
PR 06-JAN-2000; 2000WO-US000376.
PR 11-FEB-2000; 2000WO-US003565.
PR 18-FEB-2000; 2000WO-US004341.
PR 24-FEB-2000; 2000WO-US005004.
PR 02-MAR-2000; 2000WO-US005841.
PR 10-MAR-2000; 2000WO-US006319.
PR 21-MAR-2000; 2000WO-US007532.
PR 30-MAR-2000; 2000WO-US008439.
PR 17-MAY-2000; 2000WO-US013705.
PR 22-MAY-2000; 2000WO-US014042.
PR 30-MAY-2000; 2000WO-US014941.
PR 02-JUN-2000; 2000WO-US015264.
PR 28-JUL-2000; 2000WO-US020710.
PR 24-AUG-2000; 2000WO-US023328.
PR 08-NOV-2000; 2000US-00709238.
PR 27-NOV-2000; 2000US-00723749.
PR 01-DEC-2000; 2000WO-US032678.
PR 20-DEC-2000; 2000US-00747259.
PR 20-DEC-2000; 2000WO-US034956.
PR 28-FEB-2001; 2001WO-US006520.
PR 22-MAR-2001; 2001US-00816744.
PR 22-MAR-2001; 2001US-00816920.
PR 22-MAR-2001; 2001WO-US009552.
PR 10-MAY-2001; 2001US-00854208.
PR 10-MAY-2001; 2001US-00854280.
PR 25-MAY-2001; 2001WO-US017092.
PR 01-JUN-2001; 2001US-00872035.
PR 01-JUN-2001; 2001WO-US017800.
PR 05-JUN-2001; 2001US-00874503.
PR 14-JUN-2001; 2001US-00882636.
PR 19-JUN-2001; 2001US-00886342.
PR 20-JUN-2001; 2001WO-US019592.
PR 29-JUN-2001; 2001WO-US021066.
PR 09-JUL-2001; 2001WO-US021735.
PR 30-JUL-2001; 2001US-00918585.

PA (GETH) GENENTECH INC.
XX
PI Ashkenazi A, Baker KP, Botstein D, Desnoyers L, Eaton D;
PI Ferrara N, Filvaroff E, Fong S, Gao W, Gerber H, Gerritsen MB;
PI Goddard A, Godowski PJ, Grimaldi JC, Gurney AL, Hillan KJ;
PI Kljavin IJ, Kuo SS, Napier MA, Pan J, Paoni NF, Roy MA, Shelton DL;
PI Stewart TA, Tumas D, Williams PM, Wood WI;
XX WPI; 2003-288163/28.
DR N-PSDB; ABX92577.
XX
XX Novel secreted and transmembrane polypeptides and polynucleotides
PT encoding them useful for treating cancer, kidney diseases, bone,
PT cartilage disorders and immune deficiencies.
XX
XX Claim 12; Fig 149; 459pp; English.
XX
XX The present invention relates to the isolation of novel human PRO
CC polypeptides, and the polynucleotide sequences encoding them. The PRO
CC polypeptides are secreted and transmembrane proteins. The PRO
CC polypeptides are useful for detecting other PRO polypeptides, for linking
CC bioactive molecules to cells expressing PRO polypeptides, for modulating

CC biological activities of cells expressing PRO polypeptides, and for for
CC identifying agonists or antagonists. The bioactive molecule maybe a
CC toxin, radiolabel or antibody, and causes apoptosis or death of the cell.
CC The PRO polypeptides are useful for treating immune disorders, diabetes
CC or hyper- or hypo-insulinaemia, cardiac insufficiency, nervous system
CC disorders, kidney disorders, bone and cartilage disorders or arthritis,
CC tumours, and wound healing. The polynucleotide sequences encoding PRO
CC polypeptides are useful as hybridisation probes, in chromosome and gene
CC mapping, in the generation of antisense RNA and DNA, in the preparation
CC of PRO polypeptides, for generating transgenic animals or knockout
CC animals, for the genetic analysis of individuals with genetic disorders,
CC and in gene therapy. ABU61071-ABU61164 represent the human PRO
CC polypeptides of the invention. Note: The sequence data for this patent
CC was obtained in electronic format directly from the USPTO web site at
CC seqdata.uspto.gov/psipsdIDentry.html
XX
XX SQ Sequence 111 AA;

XX Query Match 100.0%; Score 587; DB 6; Length 111;
XX Best Local Similarity 100.0%; Pred. No. 1.6e-59;
XX Matches 111; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

XX Qy 1 MSLLPREAPPVSMRLAAALLLLLLLALYARVDGSKCKSGPKIRYSDVKLEMPKY 60
XX Db 1 MSLLPREAPPVSMRLAAALLLLLLLALYARVDGSKCKSGPKIRYSDVKLEMPKY 60

XX Qy 61 PHCEKNVIITKSVSRVGRQEHCLHPKLOSTKRFIKWYNANNEKRRVYEE 111
XX Db 61 PHCEKNVIITKSVSRVGRQEHCLHPKLOSTKRFIKWYNANNEKRRVYEE 111

XX RESULT 12
XX ABU80394
XX ID ABU80394 standard; protein; 111 AA.
XX AC ABU80394;
XX XX
XX DT 24-JUN-2003 (first entry)
XX XX
XX DE Human secreted/transmembrane protein PRO273.
XX XX
XX KW Human; secreted protein; transmembrane protein; PRO; malignancy; cancer;
XX KW ovarian cancer; colorectal cancer; sarcoma; leukaemia; lymphoma;
XX KW inflammatory disease; necrosis; atherosclerosis; infertility;
XX KW premature aging; psoriasis; inflammatory disease; renal disease;
XX KW arthritis; immune-mediated alopecia; stroke; encephalitis; hepatitis;
XX KW multiple sclerosis; gene therapy.
XX
XX OS Homo sapiens.
XX XX
XX PN US2003004102-A1.
XX XX
XX PD 02-JAN-2003.
XX XX
XX PF 15-OCT-2001; 2001US-00978189.
XX XX
XX PR 17-OCT-1997; 97US-0062250P.
XX PR 03-NOV-1997; 97US-0064249P.
XX PR 13-NOV-1997; 97US-0065311P.
XX PR 21-NOV-1997; 97US-0066384P.
XX PR 10-MAR-1998; 98US-0077450P.
XX PR 11-MAR-1998; 98US-0077632P.
XX PR 11-MAR-1998; 98US-0077641P.
XX PR 11-MAR-1998; 98US-0077649P.
XX PR 12-MAR-1998; 98US-0077791P.
XX PR 13-MAR-1998; 98US-0078004P.
XX PR 17-MAR-1998; 98US-00040220.
XX PR 20-MAR-1998; 98US-0078886P.
XX PR 20-MAR-1998; 98US-0078910P.
XX PR 20-MAR-1998; 98US-0078936P.
XX PR 20-MAR-1998; 98US-0078939P.
XX PR 25-MAR-1998; 98US-0079294P.
XX PR 26-MAR-1998; 98US-0079656P.

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PR 27-MAR-1998; 98US-0079663P.
PR 27-MAR-1998; 98US-0079664P.
PR 27-MAR-1998; 98US-0079689P.
PR 27-MAR-1998; 98US-0079728P.
PR 27-MAR-1998; 98US-0079786P.
PR 30-MAR-1998; 98US-0079920P.
PR 30-MAR-1998; 98US-0079923P.
PR 26-JUN-1998; 98US-00105413.
PR 07-OCT-1998; 98US-00168978.
PR 07-OCT-1998; 98US-00211141.
PR 02-NOV-1998; 98US-00184216.
PR 06-NOV-1998; 98US-00187368.
PR 20-NOV-1998; 98US-0024855.
PR 07-DEC-1998; 98US-00202054.
PR 22-DEC-1998; 98US-00218517.
PR 05-JAN-1999; 99US-005000106.
PR 05-MAR-1999; 99US-00254465.
PR 08-MAR-1999; 99US-005005028.
PR 10-MAR-1999; 99US-00265686.
PR 12-MAR-1999; 99US-005005190.
PR 12-MAR-1999; 99US-00267213.
PR 12-APR-1999; 99US-00284291.
PR 14-MAY-1999; 99US-00311832.
PR 14-MAY-1999; 99US-0010733.
PR 02-JUN-1999; 99US-0012252.
PR 28-AUG-1999; 99US-00380137.
PR 28-AUG-1999; 99US-00380138.
PR 25-AUG-1999; 99US-00380142.
PR 30-NOV-1999; 99US-002851.
PR 02-DEC-1999; 99US-0028565.
PR 16-DEC-1999; 99US-0030095.
PR 30-DEC-1999; 99US-0031243.
PR 30-DEC-1999; 99US-0031274.
PR 05-JAN-2000; 2000US-0000219.
PR 06-JAN-2000; 2000US-0000277.
PR 06-JAN-2000; 2000US-0000376.
PR 11-FEB-2000; 2000US-00003565.
PR 18-FEB-2000; 2000US-00004341.
PR 24-FEB-2000; 2000US-00005004.
PR 01-MAR-2000; 2000US-0005601.
PR 02-MAR-2000; 2000US-0005841.
PR 10-MAR-2000; 2000US-0006319.
PR 21-MAR-2000; 2000US-0007532.
PR 30-MAR-2000; 2000US-0008439.
PR 17-MAY-2000; 2000US-00013705.
PR 22-MAY-2000; 2000US-0014042.
PR 30-MAY-2000; 2000US-0014941.
PR 02-JUN-2000; 2000US-0015264.
PR 28-JUL-2000; 2000US-0020710.
PR 24-AUG-2000; 2000US-0023328.
PR 08-NOV-2000; 2000US-00709238.
PR 10-NOV-2000; 2000US-0030873.
PR 27-NOV-2000; 2000US-00723749.
PR 01-DEC-2000; 2000US-0032678.
PR 20-DEC-2000; 2000US-00747259.
PR 20-DEC-2000; 2000US-0034956.
PR 28-FEB-2001; 2001US-0006520.
PR 28-MAR-2001; 2001US-00816744.
PR 22-MAR-2001; 2001US-00816920.
PR 22-MAR-2001; 2001US-0009552.
PR 10-MAY-2001; 2001US-00854208.
PR 10-MAY-2001; 2001US-00854280.
PR 25-MAY-2001; 2001US-0017092.
PR 01-JUN-2001; 2001US-00872035.
PR 01-JUN-2001; 2001US-0017800.
PR 05-JUN-2001; 2001US-00874503.
PR 14-JUN-2001; 2001US-00882636.
PR 19-JUN-2001; 2001US-00886342.
PR 20-JUN-2001; 2001US-0019692.
PR 29-JUN-2001; 2001US-0021066.
PR 09-JUL-2001; 2001US-0021735.
PR 30-JUL-2001; 2001US-00918585.

XX PA (GETH ) GENENTECH INC.
XX PI Ashkenazi AJ, Baker KP, Botstein D, Desnoyers L, Eaton DL;
PI Ferrara N, Filvaroff E, Forg S, Gao W, Gerber H, Gerritsen WB;
PI Goddard A, Godowski PJ, Grimaldi JC, Gurney AL, Hillan KJ;
PI Kljavin IJ, Kuo SS, Napier MA, Pan J, Paoni NF, Roy MA, Shelton DL;
PI Stewart TA, Tumas D, Williams PM, Wood WI;
XX WI 2003-341189/32.
DR NP-PSDB; ACA66318.
DR PI New genes and secreted and transmembrane polypeptides (e.g. PRO3337 or
XX PRO1559), useful for treating or diagnosing e.g. cancers,
PT atherosclerosis, infertility, stroke, encephalitis, hepatitis or multiple
PT sclerosis in mammals.
XX Claim 12; Fig 149; 460pp; English.
XX The invention relates to a new isolated nucleic acid molecule comprises a
CC sequence with at least 80% identity to: (a) a nucleotide encoding any of
CC 94 PRO polypeptides whose sequences are fully defined in the
CC specification; or (b) any of 94 nucleotide sequences fully defined in the
CC specification; or the full length coding sequence of any these 94
CC nucleotide sequences. Also included are an isolated PRO polypeptide
CC scoring at least 80% positives when compared to any of the PRO
CC polypeptide sequences cited above (or an isolated PRO polypeptide having
CC at least 80% amino acid sequence identity to: (a) an amino acid sequence
CC encoded by the nucleotide deposited with ATCC numbers listed in the
CC specification; (b) the PRO polypeptide, lacking its associated signal
CC peptide; or (c) an extracellular domain of the PRO polypeptide, with or
CC lacking its associated signal peptide), a vector comprising the nucleic
CC acid molecule, a host cell comprising the vector (and producing a PRO
CC polypeptide), a chimeric molecule comprising the PRO polypeptide fused
CC to a heterologous amino acid sequence and an anti-PRO antibody. The PRO
CC polypeptides or polynucleotides are useful as pharmaceuticals,
CC diagnostics, biosensors or bioreactors. These are particularly useful for
CC detecting or treating e.g. malignancies or cancers (e.g. ovarian cancer,
CC colorectal cancer, sarcoma, leukaemia or lymphoma), inflammatory disease,
CC necrosis, atherosclerosis, infertility, premature aging, psoriasis,
CC inflammatory disease, renal disease, arthritis, immune-mediated alopecia,
CC stroke, encephalitis, hepatitis, or multiple sclerosis in mammals. The
CC PRO polypeptides are useful in drug screening, particularly as targets
CC for therapeutic intervention in these diseases, and in the diagnostic
CC determination of the presence of these diseases. The PRO polypeptides are
CC also useful as molecular weight markers, or for chromosome
CC identification. The PRO genes are useful as hybridisation probes, or for
CC screening libraries of human cDNA, genomic DNA or mRNA. The PRO genes may
CC also be used in gene therapy, particularly for replacing a defective
CC gene. The present sequence represents a PRO polypeptide
XX SQ Sequence 111 AA;
Query Match 100.0%; Score 587; DB 6; Length 111;
Best Local Similarity 100.0%; Pred. No. 1.6e-59;
Matches 111; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
QY 1 MSLPPRRAPPVSMRLAAALLLLLLLYTARVDGSKCKSRKPKIRYSVKKLEMPKY 60
Db 1 MSLPPRRAPPVSMRLAAALLLLLLLYTARVDGSKCKSRKPKIRYSVKKLEMPKY 60
QY 61 PHCEKMWIITTKSVSRVSGEHLHPKLOSTKRFIKWYNWNEKRVYEE 111
Db 61 PHCEKMWIITTKSVSRVSGEHLHPKLOSTKRFIKWYNWNEKRVYEE 111
RESULT 13
ADA24909
ID ADA24909 standard; protein; 111 AA.
XX ADA24909;
XX 20-NOV-2003 (first entry)

```

XX Novel human secreted and transmembrane protein PRO273.
XX Human; secreted and transmembrane protein; PRO; tissue typing;
KW Chromosome identification; vaccine; cancer; retinal disorder;
KW sports-related joint disorder; osteoarthritis; rheumatoid arthritis;
KW wound healing; obesity; diabetes; hearing loss;
KW cardiac insufficiency disorder; kidney disorder; nervous system disorder;
KW haemoglobin associated disorder.
XX
OS Homo sapiens.
XX
XX US2003050241-A1.
XX
XX 13-MAR-2003.
XX 16-OCT-2001; 2001US-00978564.
XX 17-OCT-1997; 97US-0062250P.
PR 03-NOV-1997; 97US-0064249P.
PR 13-NOV-1997; 97US-0065311P.
PR 21-NOV-1997; 97US-0066364P.
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PR 11-MAR-1998; 98US-0077632P.
PR 11-MAR-1998; 98US-0077641P.
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PR 15-APR-1998; 98US-0081817P.
PR 15-APR-1998; 98US-0081819P.
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PR 29-APR-1998; 98US-0083495P.
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PR 29-APR-1998; 98US-0083558P.
PR 29-APR-1998; 98US-0083559P.
PR 30-APR-1998; 98US-0083742P.
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PR 06-MAY-1998; 98US-0084414P.
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PR 07-MAY-1998; 98US-0084640P.
PR 07-MAY-1998; 98US-0084643P.
PR 13-MAY-1998; 98US-0085323P.
PR 13-MAY-1998; 98US-0085338P.
PR 13-MAY-1998; 98US-0085339P.
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PR 15-MAY-1998; 98US-0085579P.
PR 15-MAY-1998; 98US-0085580P.
PR 15-MAY-1998; 98US-0085582P.
PR 15-MAY-1998; 98US-0085689P.
PR 15-MAY-1998; 98US-0085697P.
PR 15-MAY-1998; 98US-0085700P.
PR 15-MAY-1998; 98US-0085704P.
PR 18-MAY-1998; 98US-0086023P.
PR 22-MAY-1998; 98US-0086392P.
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PR 28-MAY-1998; 98US-0087098P.
PR 28-MAY-1998; 98US-0087106P.
PR 28-MAY-1998; 98US-0087208P.
PR 26-JUN-1998; 98US-0090863P.
PR 26-JUN-1998; 98US-0091010P.
PR 01-JUL-1998; 98US-0091359P.
PR 30-JUL-1998; 98US-0094651P.
PR 11-SEP-1998; 98US-0100038P.
PR 07-OCT-1998; 98WO-US021141.
PR 20-NOV-1998; 98US-0109304P.
PR 20-NOV-1998; 98WO-US024855.
PR 22-DEC-1998; 98US-0113296P.
PR 22-DEC-1998; 98US-0113621P.
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PR 08-MAR-1999; 98WO-US005028.
PR 10-MAR-1999; 98WO-US005190.
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PR 29-MAR-1999; 99US-0126773P.
PR 21-APR-1999; 99US-0130232P.
PR 26-APR-1999; 99US-0131022P.
PR 28-APR-1999; 99US-0131445P.
PR 14-MAY-1999; 99US-0134287P.
PR 14-MAY-1999; 99WO-US010733.
PR 02-JUN-1999; 99WO-US012252.
PR 16-JUN-1999; 99US-0139557P.
PR 23-JUN-1999; 99US-0141037P.
PR 07-JUL-1999; 99US-0142680P.
PR 26-JUL-1999; 99US-0145698P.
PR 28-JUL-1999; 99US-0146222P.
PR 29-OCT-1999; 99US-0162506P.
PR 30-NOV-1999; 99WO-US028313.
PR 02-DEC-1999; 99WO-US028551.
PR 16-DEC-1999; 99WO-US028565.
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PR 05-JAN-2000; 2000WO-US000219.
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PR 24-FEB-2000; 2000WO-US005004.
PR 02-MAR-2000; 2000WO-US0005841.
PR 10-MAR-2000; 2000WO-US0006319.
PR 21-MAR-2000; 2000WO-US0007532.
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PR 20-DEC-2000; 2000WO-US034956.
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PR 22-MAR-2001; 2001WO-US0009552.
PR 25-MAY-2001; 2001WO-US017092.
PR 01-JUN-2001; 2001WO-US017800.
PR 20-JUN-2001; 2001WO-US019692.
PR 29-JUN-2001; 2001WO-US021066.
PR 09-JUL-2001; 2001WO-US021735.
PR 30-JUL-2001; 2001US-000918585.
XX
PA (GETH ) GENENTECH INC.
XX
XX Ashkenazi AJ, Baker KP, Botstein D, Desnoyers L, Eaton DL;
PI Ferrara N, Filvaroff E, Fong S, Gao W, Gerber H, Gerritsen ME;
PI Goddard A, Godowski PJ, Grimaldi JC, Gurney AL, Hillan KJ;
PI Kijavini IJ, Kuo SS, Napier MA, Pan J, Paoni NF, Roy MA, Shelton DL;
PI Stewart TA, Tumas D, Williams PM, Wood WI;
XX
XX WPI; 2003-521814/49.
DR N-PSDB; ADA24908.
XX
XX New isolated PRO polypeptides for example extracellular, secreted and
PT membrane bound proteins, useful for modulating the biological activities
PT of cells and for treating, for example diabetes, cancer, rheumatoid
PT arthritis, and hearing loss.
XX
XX Claim 12; Fig 149; 461pp; English.
XX
XX The invention describes an isolated secreted and transmembrane (PRO)
CC polypeptide (I). PRO337 polypeptide is useful for detecting PRO4993
CC polypeptide in a sample, and vice versa. PRO725, PRO700 and PRO739 are
CC useful for detecting PRO1559 polypeptide in a sample, and PRO1559 is
CC useful for detecting PRO725, PRO700 and PRO739 in a sample. PRO4993 is
CC useful for linking a bioactive molecule to a cell expressing a PRO337
CC polypeptide, and PRO337 is useful for linking a bioactive molecule to a
CC cell expressing a PRO4993 polypeptide. PRO1559 is useful for linking a
CC bioactive molecule to a cell expressing a PRO735, PRO700 and PRO739
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Query Match 100.0%; Score 587; DB 6; Length 111;
Best Local Similarity 100.0%; Pred. No. 1.6e-59;
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Db 61 PHCEKNVIITKSVSRVSGEHLCHPKLQSTKRFIKWYNWNEKRRVYEE 111
RESULT 14
ABO19696
ID ABO19696 standard; protein; 111 AA.
XX
XX ABO19696;
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XX
XX 08-SEP-2003 (first entry)
XX
XX Novel human secreted and transmembrane protein PRO273.
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KW Human; secreted and transmembrane protein; PRO; cell death; neuropathy;
KW peripheral neuropathy; diabetic peripheral neuropathy;
KW AIDS-associated neuropathy; Charcot-Marie-Tooth disease;
KW Refsum's disease; Abetalipoproteinaemia; Tangier disease;
KW Krabbe's disease; Metachromatic leukodystrophy; Fabry's disease;
KW Dejerine-Sottas syndrome; chromosome mapping; gene mapping; gene therapy.
XX
OS Homo sapiens.
XX
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XX 13-MAR-2003.
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XX 16-OCT-2001; 2001US-00978403.
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PR 08-MAR-1999; 99WO-US005028.
PR 10-MAR-1999; 99WO-US005190.
PR 12-MAR-1999; 99US-0123957P.
PR 29-MAR-1999; 99US-0126773P.
PR 21-APR-1999; 99US-0130232P.
PR 26-APR-1999; 99US-0131022P.
PR 28-APR-1999; 99US-0131445P.
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PR 14-MAY-1999; 99WO-US010733.
PR 02-JUN-1999; 99WO-US012252.
PR 16-JUN-1999; 99US-0139557P.
PR 23-JUN-1999; 99US-0141037P.
PR 07-JUL-1999; 99US-0142680P.
PR 26-JUL-1999; 99US-0145698P.
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PR 05-JAN-2000; 2000WO-US000219.
PR 06-JAN-2000; 2000WO-US000277.
PR 06-JAN-2000; 2000WO-US000376.
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PR 02-MAR-2000; 2000WO-US005841.
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PR 21-MAR-2000; 2000WO-US007532.
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PR 30-MAY-2000; 2000WO-US014941.
PR 02-JUN-2000; 2000WO-US015264.
PR 28-JUL-2000; 2000WO-US020710.
PR 24-AUG-2000; 2000WO-US023328.
PR 01-DEC-2000; 2000WO-US032678.
PR 28-FEB-2001; 2001WO-US006520.
PR 22-MAR-2001; 2001WO-US009552.
PR 25-MAY-2001; 2001WO-US017092.
PR 01-JUN-2001; 2001WO-US017800.
PR 20-JUN-2001; 2001WO-US019692.
PR 29-JUN-2001; 2001WO-US021066.
PR 09-JUL-2001; 2001WO-US021735.
PR 30-JUN-2001; 2001US-00918585.
XX
PA (GETH) GENENTECH INC.
XX
XX
PI Ashkenazi AJ, Baker KP, Botstein D, Desnoyers L, Eaton DL;
PI Ferrara N, Filyarov E, Fong S, Gao W, Gerber H, Gerritsen ME;
PI Goddard A, Godowski PJ, Grimaldi JC, Gurney AL, Hillan KJ;
PI Kljavin IJ, Kuo SS, Napier MA, Pan J, Paoni NF, Roy MA, Shelton DL;
PI Stewart TA, Tumas D, Williams PM, Wood WL;
XX WPI: 2003-503575/47.
DR N-PSDB; ACD29919.
XX
PT Novel secreted and transmembrane polypeptide for modulating biological
PT activity of cell expressing the polypeptide, identifying agonists or
PT antagonists of polypeptide, and as molecular weight markers.
XX
XX Claim 12; Fig 149; 459pp; English.
PS
CC The invention describes an isolated, secreted and transmembrane
CC polypeptide, termed PRO polypeptide (I). (I) is useful for detecting
CC PRO4993, PRO337, PRO1559, PRO725, PRO700 or PRO739 polypeptide, and for
CC linking a bioactive molecule to a cell expressing the above polypeptides.
CC The bioactive molecule is a toxin, radiolabel or an antibody and causes
CC cell death. (I) is useful as a therapeutic agent, in medical and industrial
CC applications e.g. for treating neuropathy, especially peripheral
CC neuropathy, diabetic peripheral neuropathy, AIDS-associated neuropathy,
CC Charcot-Marie-Tooth disease, Refsum's disease, Abetalipoproteinaemia,
CC Tangier disease, Krabbe's disease, Metachromatic leukodystrophy, Fabry's
Query Match 100.0%; Score 587; DB 6; Length 111;
Best Local Similarity 100.0%; Pred. No. 1.6e-59;
Matches 111; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
Qy 1 MSLPPRAPVPMRLAAALLLLLLLALYARVDGSKCKSRKPKIRYSDVKLEMPKY 60
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Db 61 PHCEKMWIITKSVSRVGRGCHLHPKLOSTKRFIKWYNWNEKRRVYEE 111
RESULT 15
ADA12570
ID ADA12570 standard; protein; 111 AA.
XX
XX ADA12570;
XX
DT 06-NOV-2003 (first entry)
XX
DE Human secreted/transmembrane polypeptide PRO273.
XX
KW inflammatory disease; organ failure; atherosclerosis; cardiac injury;
KW infertility; birth defect; premature aging; AIDS; cancer;
KW diabetic complication; tissue typing; human.

XX OS Homo sapiens.
XX PN US2003055216-A1.
XX PD 20-MAR-2003.
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PR 17-OCT-1997; 97US-0062250P.
PR 03-NOV-1997; 97US-0064249P.
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 PR 29-JUN-2001; 2001WO-US021066.
 PR 09-JUL-2001; 2001WO-US021735.
 PR 30-JUL-2001; 2001US-00918595.
 XX
 PA (GETH) GENENTECH INC.

PI Ashkenazi AJ, Baker KP, Botstein D, Desnoyers L, Eaton DL;
 PI Ferrara N, Filvaroff E, Fong S, Gao W, Gerber H, Gerritsen ME;

Query Match 100.0%; Score 587; DB 6; Length 111;
 Best Local Similarity 100.0%; Pred. No. 1.6e-59;
 Matches 111; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

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Qy 61 PHCEKVIITKSVSRGQEHCLHPKLOSTKRFIKWYNANKEKRVYEE 111
 Db 61 PHCEKVIITKSVSRGQEHCLHPKLOSTKRFIKWYNANKEKRVYEE 111

RESULT 16

ID ABO19587 standard; protein; 111 AA.

XX ABO19587;

XX 27-AUG-2003 (first entry)

DE Novel human secreted and transmembrane polypeptide #55.

XX Human; secreted and transmembrane protein; PRO; viral infection;
 XX tumour growth; retinal disorder; injury; sight loss;
 KW retinitis pigmentosa; age-related macular degeneration;
 KW sport-related joint problem; articular cartilage defect; osteoarthritis;
 KW rheumatoid arthritis; wound healing; obesity; diabetes; insulinemia;
 KW kidney disorder; mesangial cell function; Berger disease; nephropathy;

KW celiac disease; dermatitis; Crohn disease; neuropathy;
 KW cardiac insufficiency disorder; peripheral neuropathy;
 KW diabetic peripheral neuropathy; autonomic neuropathy;
 KW reduced motility of the gastrointestinal tract;
 KW atony of the urinary bladder; post polio syndrome; Krabbe's disease;
 KW Charcot-Marie-Tooth disease; Fabry's disease; Tangier disease;
 KW Refsum's disease.
 XX
 OS Homo sapiens.
 XX
 PN US2003049633-A1.
 XX
 PD 13-MAR-2003.
 XX
 PF 16-OCT-2001; 2001US-00978585.
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Query Match 100.0%; Score 587; DB 6; Length 111;
Best Local Similarity 100.0%; Pred. No. 1.6e-59; Mismatches 0; Indels 0; Gaps 0;
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RESULT 17

ADB73876
ID ADB73876 standard; protein; 111 AA.

AC ADB73876;
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DT 04-DEC-2003 (first entry)
XX
DE Human PRO polypeptide #55.

XX Human; PRO polypeptide; secreted protein; transmembrane protein;
KW cell death; neuropathy; neuropathy related disease;
KW Charcot-Marie-Tooth disorder; Refsum's disease; Krabbe's disease;
KW chromosome mapping; gene mapping; genetic disorder; septic shock;
KW antibacterial; immunosuppressive; neuroprotective.
XX
OS Homo sapiens.
XX
PN US2003045462-A1.

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PR 22-MAY-2000; 2000WO-US014042.
PR 30-MAY-2000; 2000WO-US014941.
PR 02-JUN-2000; 2000WO-US015264.
PR 28-JUL-2000; 2000WO-US020710.

PR 24-AUG-2000; 2000WO-US023328.
PR 08-NOV-2000; 2000US-00709238.
PR 27-NOV-2000; 2000US-00723749.
PR 01-DEC-2000; 2000WO-US032878.
PR 20-DEC-2000; 2000US-00747259.
PR 20-DEC-2000; 2000WO-US034956.
PR 28-FEB-2001; 2001WO-US006520.
PR 22-MAR-2001; 2001US-00816744.
PR 22-MAR-2001; 2001US-00816920.
PR 22-MAR-2001; 2001WO-US0099552.
PR 10-MAY-2001; 2001US-00854208.
PR 10-MAY-2001; 2001WO-US084280.
PR 25-MAY-2001; 2001WO-US017092.
PR 01-JUN-2001; 2001US-00872035.
PR 01-JUN-2001; 2001WO-US017800.
PR 05-JUN-2001; 2001US-00874503.
PR 14-JUN-2001; 2001US-00882636.
PR 19-JUN-2001; 2001US-00886342.
PR 20-JUN-2001; 2001WO-US019692.
PR 29-JUN-2001; 2001WO-US021066.
PR 09-JUL-2001; 2001WO-US021735.
PR 30-JUL-2001; 2001US-00918585.
XX
PA (GETH) GENENTECH INC.
XX

Query Match 100.0%; Score 587; DB 7; Length 111;
Best Local Similarity 100.0%; Pred. No. 1.6e-59;
Matches 111; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 MSLPPRAPPVSMRLAAALLLLLLALYARVDGSKCKSRGPKIRYSDVKKLEMKPKY 60
Db 1 MSLPPRAPPVSMRLAAALLLLLLALYARVDGSKCKSRGPKIRYSDVKKLEMKPKY 60

Qy 61 PHCEEKVITTSVRSYRQGEHCLHPKLOSTKRFIKWYNWNEKRRVYEE 111
Db 61 PHCEEKVITTSVRSYRQGEHCLHPKLOSTKRFIKWYNWNEKRRVYEE 111

RESULT 22
ADC66842
ID ADC66842 standard; protein; 111 AA.
XX
AC ADC66842;
XX
DT 18-DEC-2003 (first entry)
XX
DE Human secreted/transmembrane protein, PRO273.
XX
KW vulnary; virucide; neuroprotective; cytostatic; gene therapy;
KW tumour cell proliferation inhibitor;
KW secreted and transmembrane protein; PRO; viral infection; wound healing;
KW tissue growth; muscle generation; muscle regeneration;
KW amyotrophic lateral sclerosis; neuropathy; AIDS-associated neuropathy;
KW diabetic peripheral neuropathy; chromosome identification; antagonist;
KW tissue typing; immunohistochemical staining.
XX
OS Homo sapiens.
XX
PN US2003060406-A1.
XX
PD 27-MAR-2003.
XX
XX 30-JUL-2001; 2001US-00918585.
XX
XX 17-OCT-1997; 97US-0062250P.
PR 03-NOV-1997; 97US-0064249P.
PR 13-NOV-1997; 97US-0065311P.
PR 21-NOV-1997; 97US-0066364P.
PR 10-MAR-1998; 98US-0077450P.
PR 11-MAR-1998; 98US-0077632P.
PR 11-MAR-1998; 98US-0077641P.
PR 11-MAR-1998; 98US-0077649P.

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PR 13-MAR-1998; 98US-0078004P.
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PR 20-MAR-1998; 98US-0078910P.
PR 20-MAR-1998; 98US-0078936P.
PR 20-MAR-1998; 98US-0078939P.
PR 25-MAR-1998; 98US-0079294P.
PR 26-MAR-1998; 98US-0079656P.
PR 27-MAR-1998; 98US-0079663P.
PR 27-MAR-1998; 98US-0079664P.
PR 27-MAR-1998; 98US-0079689P.
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PR 27-MAR-1998; 98US-0079786P.
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PR 30-MAR-1998; 98US-0079923P.
PR 31-MAR-1998; 98US-0080105P.
PR 26-JUN-1998; 98US-00105413.
PR 07-OCT-1998; 98US-00168978.
PR 07-OCT-1998; 98WO-US021141.
PR 02-NOV-1998; 98US-00184216.
PR 06-NOV-1998; 98US-00187368.
PR 20-NOV-1998; 98WO-US024855.
PR 07-DEC-1998; 98US-00202054.
PR 22-DEC-1998; 98US-00218517.
PR 05-JAN-1999; 99WO-US000106.
PR 05-MAR-1999; 99US-00254465.
PR 08-MAR-1999; 99WO-US005028.
PR 10-MAR-1999; 99US-00265686.
PR 10-MAR-1999; 99WO-US005190.
PR 12-MAR-1999; 99US-00267213.
PR 12-APR-1999; 99US-00284291.
PR 14-MAY-1999; 99US-00311832.
PR 14-MAY-1999; 99WO-US010733.
PR 02-JUN-1999; 99WO-US012252.
PR 25-AUG-1999; 99US-00380137.
PR 25-AUG-1999; 99US-00380138.
PR 25-AUG-1999; 99US-00380142.
PR 30-NOV-1999; 99WO-US028313.
PR 02-DEC-1999; 99WO-US028551.
PR 02-DEC-1999; 99WO-US028565.
PR 16-DEC-1999; 99WO-US030095.
PR 30-DEC-1999; 99WO-US031243.
PR 30-DEC-1999; 99WO-US031274.
PR 05-JAN-2000; 2000WO-US000219.
PR 06-JAN-2000; 2000WO-US000277.
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PR 11-FEB-2000; 2000WO-US003565.
PR 18-FEB-2000; 2000WO-US004341.
PR 24-FEB-2000; 2000WO-US005004.
PR 02-MAR-2000; 2000WO-US005841.
PR 10-MAR-2000; 2000WO-US006319.
PR 21-MAR-2000; 2000WO-US007532.
PR 30-MAR-2000; 2000WO-US008439.
PR 17-MAY-2000; 2000WO-US013705.
PR 22-MAY-2000; 2000WO-US014042.
PR 30-MAY-2000; 2000WO-US014941.
PR 02-JUN-2000; 2000WO-US015264.
PR 28-JUL-2000; 2000WO-US020710.
PR 24-AUG-2000; 2000WO-US023328.
PR 08-NOV-2000; 2000US-00709238.
PR 27-NOV-2000; 2000US-00723749.
PR 01-DEC-2000; 2000WO-US032678.
PR 20-DEC-2000; 2000US-00747259.
PR 28-DEC-2000; 2000WO-US034956.
PR 28-FEB-2001; 2001WO-US006520.
PR 22-MAR-2001; 2001US-00816744.
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PR 10-MAY-2001; 2001US-00895552.
PR 10-MAY-2001; 2001US-00854208.
PR 25-MAY-2001; 2001US-00854280.
PR 01-JUN-2001; 2001WO-US017092.
PR 01-JUN-2001; 2001US-00872035.

01-JUN-2001; 2001WO-US017800.
 05-JUN-2001; 2001US-00874503.
 14-JUN-2001; 2001US-00882636.
 19-JUN-2001; 2001US-00886342.
 20-JUN-2001; 2001WO-US019692.
 29-JUN-2001; 2001WO-US021066.
 09-JUL-2001; 2001WO-US021735.
 (GETH) GENENTECH INC.
 Ashkenazi AJ, Baker KP, Botstein D, Desnoyers L, Eaton DL;
 Perara N, Filvaroff E, Fong S, Gao W, Gerber H, Gerritsen ME;
 Goddard A, Godowski PJ, Grimaldi JC, Gurney AL, Hillan KJ;
 Kljavin IJ, Kuo SS, Napier MA, Pan J, Paoni NF, Roy MA, Shelton DL;
 Stewart TA, Tumas D, Williams PM, Wood WI;
 WPI: 2003-596568/56.
 N-PSDB; ADC68966.
 Novel secreted and transmembrane polypeptides and polynucleotides
 encoding them, useful for treating wound healing, tissue growth and
 muscle generation and regeneration, amyotrophic lateral sclerosis or
 neuropathy.
 Claim 12; SEQ ID NO 370; 472pp; English.
 The invention describes an isolated secreted and transmembrane PRO
 polypeptide (I). PRO polypeptide such as PRO213, PRO700, PRO320 or PRO615
 is useful in biotechnological and medical research, as well as in various
 industrial applications. PRO polypeptide such as PRO300, PRO866, PRO703,
 PRO708, PRO320, PRO351, PRO352, PRO381, PRO615, PRO772, PRO853,
 PRO860 or PRO846 is useful for therapeutic purposes. PRO363 is useful
 therapeutically in vivo for lessening the effects of viral infection.
 PRO200 is useful for the treatment of wound healing, tissue growth and
 muscle generation and regeneration. PRO337 is useful for treating
 amyotrophic lateral sclerosis, neuropathy, AIDS-associated neuropathy or
 diabetic peripheral neuropathy. A polynucleotide (II) encoding (I) is
 useful for generating transgenic animals or knockout animals which are
 useful in the development and screening of therapeutically useful
 reagents, as probes for generating a pool of sequences for identifying
 related PRO coding sequences, and to construct hybridisation probes for
 mapping the gene which encodes the PRO and for the genetic analysis of
 individuals with genetic disorders, for recombinantly expressing (I) and
 for chromosome identification. (I) is useful as molecular marker for
 protein electrophoresis purposes, and as therapeutic agents. (I) is also
 useful for screening compounds to identify those that mimic the PRO
 polypeptide (agonists) or prevent the effect of the PRO polypeptide
 (antagonists). (I) and (II) are useful for tissue typing. PRO antibodies
 are useful for immunohistochemical staining and/or assay of sample
 fluids. Anti-PRO antibodies are useful in diagnostic assays for PRO e.g.
 detecting its expression in specific cells, tissues or serum, and for
 affinity purification of PRO from recombinant cell culture or natural
 sources. This is the amino acid sequence of a human secreted and
 transmembrane PRO protein.
 Query Match 100.0%; Score 587; DB 7; Length 111;
 Best Local Similarity 100.0%; Pred. No. 1.6e-59;
 Matches 111; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
 Qy 1 MSLPRAPPVSMRLAAALLLLALYARVDGSKCKSRKPKIRYSDVKLEMPKY 60
 Db 1 MSLPRAPPVSMRLAAALLLLALYARVDGSKCKSRKPKIRYSDVKLEMPKY 60
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 Db 61 PHCEKMWIITKSVRYRGEHCLHPKLOSTKRFIKWYNAWNEKRRVYEE 111
 RESULT 23
 ADC68966
 ID ADC68966 standard; protein; 111 AA.

XX AC ADC68966;
 XX DT 18-DEC-2003 (first entry)
 XX DE Human secreted/transmembrane protein, PRO273.
 XX KW Human; secreted protein; transmembrane protein; PRO; cytostatic;
 KW ophthalmological; antiarthritic; osteopathic; antirheumatic; vulnery;
 KW auditory; tumour growth; retinal disorder; sports-related joint problem;
 KW articular cartilage defects; osteoarthritis; rheumatoid arthritis;
 KW wound healing; hearing loss.
 OS Homo sapiens.
 XX PN US2003064407-A1.
 XX PD 03-APR-2003.
 XX PF 24-OCT-2001; 2001US-00999834.
 XX PR 17-OCT-1997; 97US-0062250P.
 PR 03-NOV-1997; 97US-0064249P.
 PR 13-NOV-1997; 97US-0065311P.
 PR 21-NOV-1997; 97US-0066364P.
 PR 10-MAR-1998; 98US-0077450P.
 PR 11-MAR-1998; 98US-0077632P.
 PR 11-MAR-1998; 98US-0077641P.
 PR 11-MAR-1998; 98US-0077649P.
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 PR 20-MAR-1998; 98US-0078939P.
 PR 25-MAR-1998; 98US-0079294P.
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PR 11-SEP-1998; 98US-0100038P.
PR 07-OCT-1998; 98US-00168978.
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PR 07-DEC-1998; 98US-00202054.
PR 22-DEC-1998; 98US-00218517.
PR 22-DEC-1998; 98US-0113296P.
PR 23-DEC-1998; 98US-0113621P.
PR 05-JAN-1999; 98US-00200106.
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PR 08-MAR-1999; 98US-00905028.
PR 10-MAR-1999; 98US-00265686.
PR 10-MAR-1999; 98US-009005190.
PR 12-MAR-1999; 98US-00267213.
PR 12-MAR-1999; 98US-0123957P.
PR 23-MAR-1999; 98US-0126773P.
PR 13-APR-1999; 98US-00284291.
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PR 14-MAY-1999; 98US-00311832.
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PR 06-JAN-2000; 2000US-0000277.
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PR 11-FEB-2000; 2000US-0003565.
PR 18-FEB-2000; 2000US-0004341.
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PR 22-MAY-2000; 2000US-0014042.
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PR 02-JUN-2000; 2000US-0015264.
PR 28-JUL-2000; 2000US-0020710.
PR 24-AUG-2000; 2000US-0023328.
PR 08-NOV-2000; 2000US-00709238.
PR 27-NOV-2000; 2000US-00723749.
PR 01-DEC-2000; 2000US-0032678.
PR 20-DEC-2000; 2000US-00747259.
PR 20-DEC-2000; 2000US-0034956.
PR 28-FEB-2001; 2001US-0006520.
PR 22-MAR-2001; 2001US-00816744.
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PR 22-MAR-2001; 2001US-00809552.
PR 10-MAY-2001; 2001US-00854208.
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PR 19-JUN-2001; 2001US-00886342.
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PR 29-JUN-2001; 2001US-0021066.
PR 09-JUL-2001; 2001US-0021735.
PR 30-JUL-2001; 2001US-00918585.
XX
XX
PA (GETH) GENENTECH INC.
XX
XX

(GETH) GENENTECH INC.

PI Ashkenazi AJ, Baker KP, Botstein D, Deanoyers L, Eaton DL;

Query Match 100.0%; Score 587; DB 7; Length 111;
Best Local Similarity 100.0%; Pred. No. 1.6e-59; Mismatches 0; Indels 0; Gaps 0;
Matches 111; Conservative 0;

Qy 1 MSLLPRRAPPVSMRLIAAALLLLALYTARVDGSKCKSRGPKIRYSDVKLEMPKY 60
Db 1 MSLLPRRAPPVSMRLIAAALLLLALYTARVDGSKCKSRGPKIRYSDVKLEMPKY 60
Qy 61 PHCEKMWIITTKSVSRYGQEHLPKLOSTKRFIKWYNAMNEKRRVYEE 111
Db 61 PHCEKMWIITTKSVSRYGQEHLPKLOSTKRFIKWYNAMNEKRRVYEE 111

RESULT 24
ADC63026
ID ADC63026 standard; protein; 111 AA.
XX
AC ADC63026;
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DT 18-DEC-2003 (first entry)
XX Human secreted/transmembrane protein, PRO273.
DE
XX
XX Human; secreted protein; transmembrane protein; PRO; cytostatic;
KW ophthalmological; antiarthritic; osteopathic; antirheumatic; vulnary;
KW auditory; tumour growth; retinal disorder; sports-related joint problem;
KW articular cartilage defects; osteoarthritis; rheumatoid arthritis;
KW wound healing; hearing loss.
XX
OS Homo sapiens.
XX
XX US2003068648-A1.
FN
XX
XX 10-APR-2003.
PD
XX
XX 25-OCT-2001; 2001US-00013921.
PF
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XX 17-OCT-1997; 97US-0062250P.
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PR 09-JUL-2001; 2001WO-US021735.
PR 30-JUL-2001; 2001US-00918585.
XX (GETH) GENENTECH INC.
XX Ashkenazi AJ, Baker KP, Botstein D, Desnoyers L, Eaton DL;
PI Ferrara N, Filvaroff E, Fong S, Gao W, Gerber H, Gerritsen ME;
PI Goddard A, Godowski PJ, Grimaldi JC, Gurney AL, Hillan KJ;
PI KJavin LJ, Kuo SS, Napier MA, Pan J, Paoni NF, Roy MA, Shelton DL;
PI Stewart TA, Tumas D, Williams PM, Wood WI;
XX WPI; 2003-657582/62.
DR N-PSDB; ADC68090.
XX Novel secreted and transmembrane polypeptides, designated PRO
PT polypeptides, and polynucleotides encoding them useful for treating
PT kidney diseases, bone, cartilage and retinal disorders.
XX Claim 12; SEQ ID NO 370; 468pp; English.
XX The invention relates to an isolated PRO polypeptide (secreted or
CC transmembrane protein) having at least 80% amino acid sequence identity
CC to an amino acid sequence chosen from 94 fully defined sequences as given
CC in the specification (including PRO lacking its associated signal
CC peptide, a PRO extracellular domain with or without its associated signal
CC peptide). Also included are nucleic acids encoding the PRO proteins
CC mentioned above, a vector comprising a PRO nucleic acid, a host cell
CC comprising the vector and producing PRO, a chimaeric molecule comprising
CC PRO fused to a heterologous amino acid sequence, and an anti-PRO
CC antibody. PRO337 polypeptide is useful for detecting a PRO4993
CC polypeptide in a sample suspected of containing PRO4993 polypeptide.
CC Similarly, PRO4993 polypeptide is useful for detecting PRO337
CC polypeptide. PRO725, PRO700 or PRO739 polypeptide is useful for detecting

Query Match 100.0%; Score 587; DB 7; Length 111;
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Search completed: June 30, 2005, 07:50:14
Job time : 170 secs

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OM protein - protein search, using sw model

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Title: US-10-791-618-2

Perfect score: 587

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Listing first 100 summaries

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Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

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ALIGNMENTS

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; GENERAL INFORMATION:
; APPLICANT: Ni, Jian
; APPLICANT: Gentz, Reiner L.
; APPLICANT: Su, Jeffrey Y.
; APPLICANT: Li, Haodong
; TITLE OF INVENTION: Chemokine Alpha 2
; NUMBER OF SEQUENCES: 10
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Sterne, Kessler, Goldstein & Fox, P.L.L.C.
; STREET: 1100 New York Ave., Suite 600
; CITY: Washington
; STATE: DC
; COUNTRY: USA
; ZIP: 20005-2934
; COMPUTER READABLE FORM:
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; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.30
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/825,556A
; FILING DATE: 19-MAR-1997
; CLASSIFICATION: 435
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 60/013,653
; FILING DATE: 19-MAR-1996
; ATTORNEY/AGENT INFORMATION:
; NAME: Steffe, Eric K.
; REGISTRATION NUMBER: 36,688
; REFERENCE/DOCKET NUMBER: 1488.0850001
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 202-371-2600
; TELEFAX: 202-371-2540
; INFORMATION FOR SEQ ID NO: 2:
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; TYPE: amino acid
; TOPOLOGY: linear
; MOLECULE TYPE: protein
; US-08-825-556A-2

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; GENERAL INFORMATION:
; APPLICANT: Ni, Jian
; APPLICANT: Gentz, Reiner L.
; APPLICANT: Su, Jeffrey Y.
; APPLICANT: Li, Haodong
; TITLE OF INVENTION: Chemokine Alpha 2
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; NUMBER OF SEQUENCES: 10
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Sterne, Kessler, Goldstein & Fox, P.L.L.C.
; STREET: 1100 New York Ave., Suite 600
; CITY: Washington
; STATE: DC
; COUNTRY: USA
; ZIP: 20005-2934
; COMPUTER READABLE FORM:
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; APPLICATION NUMBER: US/08/825,556
; FILING DATE: 19-MAR-1997
; APPLICATION NUMBER: US 60/013,653
; FILING DATE: 19-MAR-1996
; ATTORNEY/AGENT INFORMATION:
; NAME: Steffe, Eric K.
; REGISTRATION NUMBER: 36,688
; REFERENCE/DOCKET NUMBER: 1488.0850001
; TELECOMMUNICATION INFORMATION:
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; TELEFAX: 202-371-2540
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; APPLICANT: Ni, Jian
; APPLICANT: Gentz, Reiner L.
; APPLICANT: Su, Jeffrey Y.
; APPLICANT: Li, Haodong
; TITLE OF INVENTION: Chemokine Alpha 2
; NUMBER OF SEQUENCES: 10
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Sterne, Kessler, Goldstein & Fox, P.L.L.C.
; STREET: 1100 New York Ave., Suite 600
; CITY: Washington
; STATE: DC
; COUNTRY: USA
; ZIP: 20005-2934
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.30
```

```
;
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/825,556A
; FILING DATE: 19-MAR-1997
; CLASSIFICATION: 435
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 60/013,653
; FILING DATE: 19-MAR-1996
; ATTORNEY/AGENT INFORMATION:
; NAME: Steffe, Eric K.
; REGISTRATION NUMBER: 36,688
; REFERENCE/DOCKET NUMBER: 1488.0850001
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 202-371-2600
; TELEFAX: 202-371-2540
; INFORMATION FOR SEQ ID NO: 3:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 99 amino acids
; TYPE: amino acid
; TOPOLOGY: linear
; MOLECULE TYPE: protein
; US-08-825-556A-3

Query Match      88.9%; Score 522; DB 2; Length 99;
Best Local Similarity 99.0%; Pred. No. 3.4e-56;
Matches 98; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

Qy 13 MRLAAALLLLLLALYARVDGSKCCKSRGPKIRYSDVKKLEMKPKYPHCEERKWIIT 72
Db 1 MRLAAALLLLLLALYARVDGSKCCKSRGPKIRYSDVKKLEMKPKYPHCEERKWIIT 60

Qy 73 KSVSRVYRGQEHLPKLOSTKRFIKWYNANNEKRVYEE 111
Db 61 KSVSRVYRGQEHLPKLOSTKRFIKWYNANNEKRVYEE 99

RESULT 4
US-09-238-184-3
; Sequence 3, Application US/09238184
; Patent No. 6479633
; GENERAL INFORMATION:
; APPLICANT: Ni, Jian
; APPLICANT: Gentz, Reiner L.
; APPLICANT: Su, Jeffrey Y.
; APPLICANT: Li, Haodong
; TITLE OF INVENTION: Chemokine Alpha 2
; NUMBER OF SEQUENCES: 10
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Sterne, Kessler, Goldstein & Fox, P.L.L.C.
; STREET: 1100 New York Ave., Suite 600
; CITY: Washington
; STATE: DC
; COUNTRY: USA
; ZIP: 20005-2934
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.30
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/09/238,184
; FILING DATE:
; CLASSIFICATION:
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US/08/825,556
; FILING DATE: 19-MAR-1997
; APPLICATION NUMBER: US 60/013,653
; FILING DATE: 19-MAR-1996
; ATTORNEY/AGENT INFORMATION:
; NAME: Steffe, Eric K.
; REGISTRATION NUMBER: 36,688
; REFERENCE/DOCKET NUMBER: 1488.0850001
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 202-371-2600

;
; TELEFAX: 202-371-2540
; INFORMATION FOR SEQ ID NO: 3:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 99 amino acids
; TYPE: amino acid
; TOPOLOGY: linear
; MOLECULE TYPE: protein
; US-09-238-184-3

Query Match      88.9%; Score 522; DB 4; Length 99;
Best Local Similarity 99.0%; Pred. No. 3.4e-56;
Matches 98; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

Qy 13 MRLAAALLLLLLALYARVDGSKCCKSRGPKIRYSDVKKLEMKPKYPHCEERKWIIT 72
Db 1 MRLAAALLLLLLALYARVDGSKCCKSRGPKIRYSDVKKLEMKPKYPHCEERKWIIT 60

Qy 73 KSVSRVYRGQEHLPKLOSTKRFIKWYNANNEKRVYEE 111
Db 61 KSVSRVYRGQEHLPKLOSTKRFIKWYNANNEKRVYEE 99

RESULT 5
US-09-188-930-344
; Sequence 344, Application US/09188930A
; Patent No. 6150502
; GENERAL INFORMATION:
; APPLICANT: Watson, James D.
; APPLICANT: Strachan, Lorna
; APPLICANT: Sleeman, Matthew
; APPLICANT: Onrust, Rene
; APPLICANT: Murison, James Greg
; TITLE OF INVENTION: Compositions Isolated From Skin Cells
; TITLE OF INVENTION: and Methods For Their Use
; FILE REFERENCE: 11000.1011c1
; CURRENT APPLICATION NUMBER: US/09/188,930A
; CURRENT FILING DATE: 1998-11-09
; NUMBER OF SEQ ID NOS: 348
; SOFTWARE: Fast-Seq for Windows Version 3.0
; SEQ ID NO 344
; LENGTH: 95
; TYPE: PRT
; ORGANISM: Mouse
; US-09-188-930-344

Query Match      86.7%; Score 509; DB 3; Length 95;
Best Local Similarity 100.0%; Pred. No. 1.3e-54;
Matches 95; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 17 AAALLLLLLALYARVDGSKCCKSRGPKIRYSDVKKLEMKPKYPHCEERKWIITKSVS 76
Db 1 AAALLLLLLALYARVDGSKCCKSRGPKIRYSDVKKLEMKPKYPHCEERKWIITKSVS 60

Qy 77 RYRGQEHLPKLOSTKRFIKWYNANNEKRVYEE 111
Db 61 RYRGQEHLPKLOSTKRFIKWYNANNEKRVYEE 95

RESULT 6
US-09-724-864-68
; Sequence 68, Application US/09724864
; Patent No. 6380362
; GENERAL INFORMATION:
; APPLICANT: Watson, James D.
; APPLICANT: Murison, James G.
; TITLE OF INVENTION: Polynucleotides, polypeptides expressed
; TITLE OF INVENTION: by the polynucleotides and methods for their use.
; FILE REFERENCE: 11000.1050U1
; CURRENT APPLICATION NUMBER: US/09/724,864
; CURRENT FILING DATE: 2000-11-28
; PRIOR APPLICATION NUMBER: U.S. No. 6380362 60/171,678
; PRIOR FILING DATE: 1999-12-23
; NUMBER OF SEQ ID NOS: 72
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; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 68
; LENGTH: 95
; TYPE: PRT
; ORGANISM: Human
US-09-724-864-68

Query Match      86.7%; Score 509; DB 3; Length 95;
Best Local Similarity 100.0%; Pred. No. 1.3e-54;
Matches 95; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 17 A A A L L L L L A L Y T A R V D G S K C K S R G P K I R Y S D V K K L E M K P K Y P H C E E K W I I T T K S V S 76
Db 1 A A A L L L L L A L Y T A R V D G S K C K S R G P K I R Y S D V K K L E M K P K Y P H C E E K W I I T T K S V S 60

QY 77 R Y R G Q E H C L H P K L Q S T K R F I K W Y N A W N E K R R V Y E E 111
Db 61 R Y R G Q E H C L H P K L Q S T K R F I K W Y N A W N E K R R V Y E E 95

RESULT 7
US-09-312-283C-344
; Sequence 344, Application US/09312283C
; Patent No. 6573095
; GENERAL INFORMATION:
; APPLICANT: Watson, James D.
; APPLICANT: Strachan, Lorna
; APPLICANT: Sleeman, Matthew
; APPLICANT: Onrust, Rene
; APPLICANT: Murison, James G.
; APPLICANT: Kumble, Krishanand D.
; TITLE OF INVENTION: Compositions Isolated from Skin Cells
; TITLE OF INVENTION: and Methods For Their Use
; FILE REFERENCE: 11000.1011c2
; CURRENT APPLICATION NUMBER: US/09/312,283C
; CURRENT FILING DATE: 1999-05-14
; NUMBER OF SEQ ID NOS: 425
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 344
; LENGTH: 95
; TYPE: PRT
; ORGANISM: Mouse
US-09-312-283C-344

Query Match      86.7%; Score 509; DB 4; Length 95;
Best Local Similarity 100.0%; Pred. No. 1.3e-54;
Matches 95; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 17 A A A L L L L L A L Y T A R V D G S K C K S R G P K I R Y S D V K K L E M K P K Y P H C E E K W I I T T K S V S 76
Db 1 A A A L L L L L A L Y T A R V D G S K C K S R G P K I R Y S D V K K L E M K P K Y P H C E E K W I I T T K S V S 60

QY 77 R Y R G Q E H C L H P K L Q S T K R F I K W Y N A W N E K R R V Y E E 111
Db 61 R Y R G Q E H C L H P K L Q S T K R F I K W Y N A W N E K R R V Y E E 95

RESULT 8
US-09-188-930-340
; Sequence 340, Application US/09188930A
; Patent No. 6150502
; GENERAL INFORMATION:
; APPLICANT: Watson, James D.
; APPLICANT: Strachan, Lorna
; APPLICANT: Sleeman, Matthew
; APPLICANT: Onrust, Rene
; APPLICANT: Murison, James Greg
; TITLE OF INVENTION: Compositions Isolated From Skin Cells
; TITLE OF INVENTION: and Methods For Their Use
; FILE REFERENCE: 11000.1011c1
; CURRENT APPLICATION NUMBER: US/09/188,930A
; CURRENT FILING DATE: 1998-11-09
; NUMBER OF SEQ ID NOS: 348

; SOFTWARE: FastSeq for Windows Version 3.0
; SEQ ID NO 340
; LENGTH: 99
; TYPE: PRT
; ORGANISM: Mouse
US-09-188-930-340

Query Match      86.2%; Score 506; DB 3; Length 99;
Best Local Similarity 94.9%; Pred. No. 3.1e-54;
Matches 94; Conservative 3; Mismatches 2; Indels 0; Gaps 0;

QY 13 M R L L A A L L L L A L Y T A R V D G S K C K S R G P K I R Y S D V K K L E M K P K Y P H C E E K W I I T T 72
Db 1 M R L L A A L L L L A L C A S R V D G S K C K S R G P K I R Y S D V K K L E M K P K Y P H C E E K W I I T T 60

QY 73 K S V S R Y R G Q E H C L H P K L Q S T K R F I K W Y N A W N E K R R V Y E E 111
Db 61 K S M S R Y R G Q E H C L H P K L Q S T K R F I K W Y N A W N E K R R V Y E E 99

RESULT 9
US-09-312-283C-340
; Sequence 340, Application US/09312283C
; Patent No. 6573095
; GENERAL INFORMATION:
; APPLICANT: Watson, James D.
; APPLICANT: Strachan, Lorna
; APPLICANT: Sleeman, Matthew
; APPLICANT: Onrust, Rene
; APPLICANT: Murison, James G.
; APPLICANT: Kumble, Krishanand D.
; TITLE OF INVENTION: Compositions Isolated from Skin Cells
; TITLE OF INVENTION: and Methods For Their Use
; FILE REFERENCE: 11000.1011c2
; CURRENT APPLICATION NUMBER: US/09/312,283C
; CURRENT FILING DATE: 1999-05-14
; NUMBER OF SEQ ID NOS: 425
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 340
; LENGTH: 99
; TYPE: PRT
; ORGANISM: Mouse
US-09-312-283C-340

Query Match      86.2%; Score 506; DB 4; Length 99;
Best Local Similarity 94.9%; Pred. No. 3.1e-54;
Matches 94; Conservative 3; Mismatches 2; Indels 0; Gaps 0;

QY 13 M R L L A A L L L L A L Y T A R V D G S K C K S R G P K I R Y S D V K K L E M K P K Y P H C E E K W I I T T 72
Db 1 M R L L A A L L L L A L C A S R V D G S K C K S R G P K I R Y S D V K K L E M K P K Y P H C E E K W I I T T 60

QY 73 K S V S R Y R G Q E H C L H P K L Q S T K R F I K W Y N A W N E K R R V Y E E 111
Db 61 K S M S R Y R G Q E H C L H P K L Q S T K R F I K W Y N A W N E K R R V Y E E 99

RESULT 10
US-09-312-283C-394
; Sequence 394, Application US/09312283C
; Patent No. 6573095
; GENERAL INFORMATION:
; APPLICANT: Watson, James D.
; APPLICANT: Strachan, Lorna
; APPLICANT: Sleeman, Matthew
; APPLICANT: Onrust, Rene
; APPLICANT: Murison, James G.
; APPLICANT: Kumble, Krishanand D.
; TITLE OF INVENTION: Compositions Isolated from Skin Cells
; TITLE OF INVENTION: and Methods For Their Use
; FILE REFERENCE: 11000.1011c2
; CURRENT APPLICATION NUMBER: US/09/312,283C
; CURRENT FILING DATE: 1999-05-14
```

; NUMBER OF SEQ ID NOS: 425
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 394
; LENGTH: 99
; TYPE: PRT
; ORGANISM: Mouse
; US-09-312-283C-394

Query Match 86.2%; Score 506; DB 4; Length 99;

Best Local Similarity 94.9%; Pred. No. 3.1e-54;

Matches 94; Conservative 3; Mismatches 2; Indels 0; Gaps 0;

Qy 13 MRLAAALLLLALYATARDGSKCGRKPKIRYSDVKLEMKPKYPHCEERKVIIT 72

Db 1 MRLAAALLLLALCASRDGSKCGRKPKIRYSDVKLEMKPKYPHCEERKVIIT 60

Qy 73 KVSRYRGQEHCLHPKLOSTKRFIKWYNANNEKRRVYEE 111

Db 61 KMSRYRGQEHCLHPKLOSTKRFIKWYNANNEKRRVYEE 99

RESULT 11

US-09-312-283C-417

; Sequence 417, Application US/09312283C

; Patent No. 6573095

; GENERAL INFORMATION:

; APPLICANT: Watson, James D.

; APPLICANT: Strachan, Lorna

; APPLICANT: Sleeman, Matthew

; APPLICANT: Onrust, Rene

; APPLICANT: Murison, James G.

; APPLICANT: Kumble, Krishanand D.

; TITLE OF INVENTION: Compositions Isolated from Skin Cells

; FILE REFERENCE: 11000.1011c2

; CURRENT APPLICATION NUMBER: US/09/312.283C

; CURRENT FILING DATE: 1999-05-14

; NUMBER OF SEQ ID NOS: 425

; SOFTWARE: FastSeq for Windows Version 4.0

; SEQ ID NO 417

; LENGTH: 99

; TYPE: PRT

; ORGANISM: Mouse

; US-09-312-283C-417

Query Match 86.2%; Score 506; DB 4; Length 99;

Best Local Similarity 94.9%; Pred. No. 3.1e-54;

Matches 94; Conservative 3; Mismatches 2; Indels 0; Gaps 0;

Qy 13 MRLAAALLLLALYATARDGSKCGRKPKIRYSDVKLEMKPKYPHCEERKVIIT 72

Db 1 MRLAAALLLLALCASRDGSKCGRKPKIRYSDVKLEMKPKYPHCEERKVIIT 60

Qy 73 KVSRYRGQEHCLHPKLOSTKRFIKWYNANNEKRRVYEE 111

Db 61 KMSRYRGQEHCLHPKLOSTKRFIKWYNANNEKRRVYEE 99

RESULT 12

US-09-312-283C-418

; Sequence 418, Application US/09312283C

; Patent No. 6573095

; GENERAL INFORMATION:

; APPLICANT: Watson, James D.

; APPLICANT: Strachan, Lorna

; APPLICANT: Sleeman, Matthew

; APPLICANT: Onrust, Rene

; APPLICANT: Murison, James G.

; APPLICANT: Kumble, Krishanand D.

; TITLE OF INVENTION: Compositions Isolated from Skin Cells

; FILE REFERENCE: 11000.1011c2

; CURRENT APPLICATION NUMBER: US/09/312.283C

; CURRENT FILING DATE: 1999-05-14
; NUMBER OF SEQ ID NOS: 425
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 418
; LENGTH: 98
; TYPE: PRT
; ORGANISM: Human
; US-09-312-283C-418

Query Match 85.9%; Score 504.5; DB 4; Length 98;

Best Local Similarity 98.0%; Pred. No. 4.6e-54;

Matches 99; Conservative 0; Mismatches 1; Indels 1; Gaps 1;

Qy 13 MRLAAALLLLALYATARDGSKCGRKPKIRYSDVKLEMKPKYPHCEERKVIIT 72

Db 1 MRLPAAALLLLALYATARDGSKCGRKPKIRYSDVKLEMKPKYPHCEERKVIIT 59

Qy 73 KVSRYRGQEHCLHPKLOSTKRFIKWYNANNEKRRVYEE 111

Db 60 KVSRYRGQEHCLHPKLOSTKRFIKWYNANNEKRRVYEE 98

RESULT 13

US-09-188-930-346

; Sequence 346, Application US/09188930A

; Patent No. 6150502

; GENERAL INFORMATION:

; APPLICANT: Watson, James D.

; APPLICANT: Strachan, Lorna

; APPLICANT: Sleeman, Matthew

; APPLICANT: Onrust, Rene

; APPLICANT: Murison, James Greg

; TITLE OF INVENTION: Compositions Isolated From Skin Cells

; FILE REFERENCE: 11000.1011c1

; CURRENT APPLICATION NUMBER: US/09/188.930A

; CURRENT FILING DATE: 1998-11-09

; NUMBER OF SEQ ID NOS: 348

; SOFTWARE: FastSeq for Windows Version 3.0

; SEQ ID NO 346

; LENGTH: 77

; TYPE: PRT

; ORGANISM: Mouse

; US-09-188-930-346

Query Match 72.9%; Score 428; DB 3; Length 77;

Best Local Similarity 100.0%; Pred. No. 7.8e-45;

Matches 77; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 35 SKCKSRKPKIRYSDVKLEMKPKYPHCEERKVIITTKSVRYRGQEHCLHPKLOSTKR 94

Db 1 SKCKSRKPKIRYSDVKLEMKPKYPHCEERKVIITTKSVRYRGQEHCLHPKLOSTKR 60

Qy 95 FIKWYNANNEKRRVYEE 111

Db 61 FIKWYNANNEKRRVYEE 77

RESULT 14

US-09-724-864-72

; Sequence 72, Application US/09724864

; Patent No. 6380362

; GENERAL INFORMATION:

; APPLICANT: Watson, James D.

; APPLICANT: Murison, James G.

; TITLE OF INVENTION: Polynucleotides, polypeptides expressed

; FILE REFERENCE: 11000.1050U1

; CURRENT APPLICATION NUMBER: US/09/724.864

; CURRENT FILING DATE: 2000-11-28

; PRIOR APPLICATION NUMBER: U.S. No. 6380362 60/171,678

; PRIOR FILING DATE: 1999-12-23

; NUMBER OF SEQ ID NOS: 72

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; SOFTWARE: FastSEQ for Windows Version 4.0
; SEQ ID NO 72
; LENGTH: 77
; TYPE: PRT
; ORGANISM: Human
US-09-724-864-72

Query Match          72.9%; Score 428; DB 3; Length 77;
Best Local Similarity 100.0%; Pred. No. 7.8e-45;
Matches 77; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 35 SKCKCSRKGPKIRYSDVKLEMKPKYPHCEKMWIITTKSVSRYGQEHCLHPKLOSTKR 94
Db 1 SKCKCSRKGPKIRYSDVKLEMKPKYPHCEKMWIITTKSVSRYGQEHCLHPKLOSTKR 60

Qy 95 FIKWYNAWNEKRRVYEE 111
Db 61 FIKWYNAWNEKRRVYEE 77

RESULT 15
US-09-312-283C-346
; Sequence 346, Application US/09312283C
; Patent No. 6573095
; GENERAL INFORMATION:
; APPLICANT: Watson, James D.
; APPLICANT: Strachan, Lorna
; APPLICANT: Sleeman, Matthew
; APPLICANT: Onrust, Rene
; APPLICANT: Murison, James G.
; APPLICANT: Kumble, Krishanand D.
; TITLE OF INVENTION: Compositions Isolated from Skin Cells
; FILE REFERENCE: 11000.1011c2
; CURRENT APPLICATION NUMBER: US/09/312,283C
; CURRENT FILING DATE: 1999-05-14
; NUMBER OF SEQ ID NOS: 425
; SOFTWARE: FastSEQ for Windows Version 4.0
; SEQ ID NO 346
; LENGTH: 77
; TYPE: PRT
; ORGANISM: Mouse
US-09-312-283C-346

Query Match          72.9%; Score 428; DB 4; Length 77;
Best Local Similarity 100.0%; Pred. No. 7.8e-45;
Matches 77; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 35 SKCKCSRKGPKIRYSDVKLEMKPKYPHCEKMWIITTKSVSRYGQEHCLHPKLOSTKR 94
Db 1 SKCKCSRKGPKIRYSDVKLEMKPKYPHCEKMWIITTKSVSRYGQEHCLHPKLOSTKR 60

Qy 95 FIKWYNAWNEKRRVYEE 111
Db 61 FIKWYNAWNEKRRVYEE 77

RESULT 16
US-09-188-930-345
; Sequence 345, Application US/09188930A
; Patent No. 6150502
; GENERAL INFORMATION:
; APPLICANT: Watson, James D.
; APPLICANT: Strachan, Lorna
; APPLICANT: Sleeman, Matthew
; APPLICANT: Onrust, Rene
; APPLICANT: Murison, James Greg
; TITLE OF INVENTION: Compositions Isolated From Skin Cells
; FILE REFERENCE: 11000.1011c1
; CURRENT APPLICATION NUMBER: US/09/188,930A
; CURRENT FILING DATE: 1998-11-09
; NUMBER OF SEQ ID NOS: 348

; SOFTWARE: FastSEQ for Windows Version 3.0
; SEQ ID NO 345
; LENGTH: 77
; TYPE: PRT
; ORGANISM: Mouse
US-09-188-930-345

Query Match          72.2%; Score 424; DB 3; Length 77;
Best Local Similarity 97.4%; Pred. No. 2.4e-44;
Matches 75; Conservative 2; Mismatches 0; Indels 0; Gaps 0;

Qy 35 SKCKCSRKGPKIRYSDVKLEMKPKYPHCEKMWIITTKSVSRYGQEHCLHPKLOSTKR 94
Db 1 SKCKCSRKGPKIRYSDVKLEMKPKYPHCEKMWIITTKSVSRYGQEHCLHPKLOSTKR 60

Qy 95 FIKWYNAWNEKRRVYEE 111
Db 61 FIKWYNAWNEKRRVYEE 77

RESULT 17
US-09-724-864-70
; Sequence 70, Application US/09724864
; Patent No. 6380362
; GENERAL INFORMATION:
; APPLICANT: Watson, James D.
; APPLICANT: Murison, James G.
; TITLE OF INVENTION: Polynucleotides, polypeptides expressed
; FILE REFERENCE: 11000.1050U1
; CURRENT APPLICATION NUMBER: US/09/724,864
; CURRENT FILING DATE: 2000-11-28
; PRIOR APPLICATION NUMBER: U.S. No. 6380362 60/171,678
; PRIOR FILING DATE: 1999-12-23
; NUMBER OF SEQ ID NOS: 72
; SOFTWARE: FastSEQ for Windows Version 4.0
; SEQ ID NO 70
; LENGTH: 77
; TYPE: PRT
; ORGANISM: Mouse
US-09-724-864-70

Query Match          72.2%; Score 424; DB 3; Length 77;
Best Local Similarity 97.4%; Pred. No. 2.4e-44;
Matches 75; Conservative 2; Mismatches 0; Indels 0; Gaps 0;

Qy 35 SKCKCSRKGPKIRYSDVKLEMKPKYPHCEKMWIITTKSVSRYGQEHCLHPKLOSTKR 94
Db 1 SKCKCSRKGPKIRYSDVKLEMKPKYPHCEKMWIITTKSVSRYGQEHCLHPKLOSTKR 60

Qy 95 FIKWYNAWNEKRRVYEE 111
Db 61 FIKWYNAWNEKRRVYEE 77

RESULT 18
US-09-312-283C-345
; Sequence 345, Application US/09312283C
; Patent No. 6573095
; GENERAL INFORMATION:
; APPLICANT: Watson, James D.
; APPLICANT: Strachan, Lorna
; APPLICANT: Sleeman, Matthew
; APPLICANT: Onrust, Rene
; APPLICANT: Murison, James G.
; APPLICANT: Kumble, Krishanand D.
; TITLE OF INVENTION: Compositions Isolated from Skin Cells
; FILE REFERENCE: 11000.1011c2
; CURRENT APPLICATION NUMBER: US/09/312,283C
; CURRENT FILING DATE: 1999-05-14
; NUMBER OF SEQ ID NOS: 425
; SOFTWARE: FastSEQ for Windows Version 4.0
```



```
; SEQ ID NO 345
; LENGTH: 77
; TYPE: PRT
; ORGANISM: Mouse
US-09-312-283C-345

Query Match      72.2%; Score 424; DB 4; Length 77;
Best Local Similarity 97.4%; Pred. No. 2.4e-44;
Matches 75; Conservative 2; Mismatches 0; Indels 0; Gaps 0;

Qy 35 SKCKSRGPKIRYSDVKKLEMKPKYPHCEKMWIIITTKSVSRVYRGQEHCLHPKLOSTKR 94
    |||
Db 1 SKCKSRGPKIRYSDVKKLEMKPKYPHCEKMWIIITTKSVSRVYRGQEHCLHPKLOSTKR 60
    |||

Qy 95 FIKYNWANEKRRVYEE 111
    |||
Db 61 FIKYNWANEKRRVYEE 77

RESULT 19
US-09-177-304-3
; Sequence 3, Application US/09177304A
; Patent No. 6372456
; GENERAL INFORMATION:
; APPLICANT: Wei, Ying-Pei et al.
; TITLE OF INVENTION: Chemokine Alpha-6
; FILE REFERENCE: PF458
; CURRENT APPLICATION NUMBER: US/09/177,304A
; CURRENT FILING DATE: 1998-10-23
; EARLIER APPLICATION NUMBER: 60/063,387
; EARLIER FILING DATE: 1997-10-24
; EARLIER APPLICATION NUMBER: 60/079,245
; EARLIER FILING DATE: 1998-03-25
; NUMBER OF SEQ ID NOS: 18
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 3
; LENGTH: 75
; TYPE: PRT
; ORGANISM: Homo sapiens
US-09-177-304-3

Query Match      70.5%; Score 414; DB 3; Length 75;
Best Local Similarity 98.7%; Pred. No. 3.9e-43;
Matches 74; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

Qy 37 CKCSRKGPKIRYSDVKKLEMKPKYPHCEKMWIIITTKSVSRVYRGQEHCLHPKLOSTKRFI 96
    |||
Db 1 CKCSRKGPKIRYSDVKKLEMKPKYPHCEKMWIIITTKSVSRVYRGQEHCLHPKLOSTKRFI 60
    |||

Qy 97 KYNWANEKRRVYEE 111
    |||
Db 61 KYNWANEKRRVYEE 75

RESULT 20
US-09-188-930-157
; Sequence 157, Application US/09188930A
; Patent No. 6150502
; GENERAL INFORMATION:
; APPLICANT: Watson, James D.
; APPLICANT: Strachan, Lorna
; APPLICANT: Sleeman, Matthew
; APPLICANT: Onrust, Rene
; APPLICANT: Murison, James Greg
; TITLE OF INVENTION: Compositions Isolated From Skin Cells
; FILE REFERENCE: 11000.1011c1
; CURRENT APPLICATION NUMBER: US/09/188,930A
; CURRENT FILING DATE: 1998-11-09
; NUMBER OF SEQ ID NOS: 348
; SOFTWARE: FastSeq for Windows Version 3.0
; SEQ ID NO 157
; LENGTH: 133

; SEQ ID NO 345
; TYPE: PRT
; ORGANISM: mouse
US-09-188-930-157

Query Match      50.8%; Score 298; DB 3; Length 133;
Best Local Similarity 63.7%; Pred. No. 1.2e-28;
Matches 65; Conservative 6; Mismatches 25; Indels 6; Gaps 1;

Qy 13 MRLAAALLLLLLALYARVDGSKCKSRGPKIRYSDVKKLEMKPKYPHCEKMWIITTT 72
    |||
Db 1 MRLAAALLLLLLALCASRVDSKCKSRGPKIRYSDVKKLEMKPKYPHCEKMWIITTT 60
    |||

Qy 73 KSVSRVYRGQE-----HCLHPKLOSTKRFIKYNWANEKRRV 108
    |||
Db 61 KEHVQGTGARSTACTLSCLAPNASSSGTTPGTRSGSTKNRV 102
    |||

RESULT 21
US-09-312-283C-157
; Sequence 157, Application US/09312283C
; Patent No. 6573095
; GENERAL INFORMATION:
; APPLICANT: Watson, James D.
; APPLICANT: Strachan, Lorna
; APPLICANT: Sleeman, Matthew
; APPLICANT: Onrust, Rene
; APPLICANT: Murison, James G.
; APPLICANT: Kumble, Krishanand D.
; TITLE OF INVENTION: Compositions Isolated from Skin Cells
; TITLE OF INVENTION: and Methods for Their Use
; FILE REFERENCE: 11000.1011c2
; CURRENT APPLICATION NUMBER: US/09/312,283C
; CURRENT FILING DATE: 1999-05-14
; NUMBER OF SEQ ID NOS: 425
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 157
; LENGTH: 133
; TYPE: PRT
; ORGANISM: Mouse
US-09-312-283C-157

Query Match      50.8%; Score 298; DB 4; Length 133;
Best Local Similarity 63.7%; Pred. No. 1.2e-28;
Matches 65; Conservative 6; Mismatches 25; Indels 6; Gaps 1;

Qy 13 MRLAAALLLLLLALYARVDGSKCKSRGPKIRYSDVKKLEMKPKYPHCEKMWIITTT 72
    |||
Db 1 MRLAAALLLLLLALCASRVDSKCKSRGPKIRYSDVKKLEMKPKYPHCEKMWIITTT 60
    |||

Qy 73 KSVSRVYRGQE-----HCLHPKLOSTKRFIKYNWANEKRRV 108
    |||
Db 61 KEHVQGTGARSTACTLSCLAPNASSSGTTPGTRSGSTKNRV 102
    |||

RESULT 22
US-08-825-556A-4
; Sequence 4, Application US/08825556A
; Patent No. 5910431
; GENERAL INFORMATION:
; APPLICANT: Ni, Jian
; APPLICANT: Gentz, Reiner L.
; APPLICANT: Su, Jeffrey Y.
; APPLICANT: Li, Haodong
; TITLE OF INVENTION: Chemokine Alpha 2
; NUMBER OF SEQUENCES: 10
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Sterne, Kessler, Goldstein & Fox, P.L.L.C.
; STREET: 1100 New York Ave., Suite 600
; CITY: Washington
; STATE: DC
; COUNTRY: USA
; ZIP: 20005-2934
; COMPUTER READABLE FORM:
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RESULT 23
US-09-238-184-4
; Sequence 4, Application US/09238184
; Patent No. 6479633
; GENERAL INFORMATION:
; APPLICANT: Ni, Jian
; APPLICANT: Gentz, Reiner L.
; APPLICANT: Su, Jeffrey Y.
; APPLICANT: Li, Haodong
; TITLE OF INVENTION: Chemokine Alpha 2
; NUMBER OF SEQUENCES: 10
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Sterne, Kessler, Goldstein & Fox, P.L.L.C.
; STREET: 1100 New York Ave., Suite 600
; CITY: Washington
; STATE: DC
; COUNTRY: USA
; ZIP: 20005-2934
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: Patent In Release #1.0, Version #1.30
; CURRENT APPLICATION NUMBER: US/09/238,184
; FILING DATE:
; CLASSIFICATION:
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US/08/825,556
; FILING DATE: 19-MAR-1997
; APPLICATION NUMBER: US 60/013,653
; FILING DATE: 19-MAR-1996
; ATTORNEY/AGENT INFORMATION:

RESULT 25
US-08-476-376-2
; Sequence 2, Application US/08476376
; Patent No. 6103234
; GENERAL INFORMATION:
; APPLICANT: WOLPE, STEPHEN D.
; APPLICANT: CERAMI, ANTHONY
; APPLICANT: SHERRY, BARBARA
; APPLICANT: TEKAMP-OLSON, PATRICIA A.
; TITLE OF INVENTION: MACROPHAGE-DERIVED INFLAMMATORY MEDIATOR

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OM protein - protein search, using sw model

Run on: June 30, 2005, 07:46:48 ; Search time 176 Seconds
(without alignments)
322.959 Million cell updates/sec

Title: US-10-791-618-2

Perfect score: 587

Sequence: 1 MSLLPRRAPPVSMELLAAAL.....TKRFIKWYNAMKRRVYEE 111

Scoring table: BLOSUM62

Gapop 10.0 , Gapext 0.5

Searched: 1612378 seqs, 512079187 residues

Total number of hits satisfying chosen parameters: 1612378

Minimum DB seq length: 0

Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%

Maximum Match 100%

Listing first 100 summaries

Database :

UniProt_03:*

1: uniprot_sprot:*

2: uniprot_trembl:*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match	Length	ID	Description
1	587	100.0	111	2	Q6UW97 Homo sapien
2	582	99.1	111	2	Q9NS21 Homo sapien
3	527	89.8	99	1	S214 HUMAN
4	507	86.4	99	2	Q8K453 Homo sapien
5	506	86.2	99	2	Q8JHH7 m b cell an
6	489	83.3	99	1	S214_MOUSE
7	488	83.1	95	2	Q91V02 Mus musculus
8	434	73.9	79	2	Q6EXK6 Sus scrofa
9	393	67.0	99	2	Q6GLX8 Xenopus lae
10	352	60.0	99	2	Q70V42 Cyprinus ca
11	338.5	57.7	98	2	Q6DUZ6 Gekko japon
12	337	57.4	150	2	Q6PHDS Brachydanio
13	337	57.4	160	2	Q66L61 Brachydanio
14	335	57.1	100	2	Q3DFG4 Gallus gall
15	322.5	54.9	98	2	Q9DGL8 Gallus gall
16	276	47.0	61	2	Q6AXC2 Mus musculus
17	143.5	24.4	100	1	M12B RAT
18	143.5	24.4	101	2	Q6EP62 Rattus norv
19	138	23.5	100	1	M1P2_MOUSE
20	135	23.0	100	2	Q6W5C0 Mus musculus
21	131.5	22.4	107	2	Q6PUD4 Sus scrofa
22	131	22.3	101	1	GRO CRIGR
23	130.5	22.2	107	2	Q6PU11 Sus scrofa
24	128.5	21.9	107	1	M12A HUMAN
25	128.5	21.9	108	2	Q28724 Rattus norv
26	128	21.8	100	2	Q91ZK9 Sigmodon hi
27	127.5	21.7	103	1	GRO SHEEP
28	126.5	21.6	101	2	Q91Z64 Sigmodon hi
29	124	21.1	100	1	M1P2 RAT
30	122.5	20.9	98	1	GROG_BOVIN
31	121.5	20.7	107	2	Q8HX24 Macaca mula

32	119.5	20.4	107	2	Q8HX23	Q8HX23 macaca mula
33	118.5	20.2	104	1	GRO2_RABIT	P47854 oryctolagus
34	117.5	20.0	104	1	GROB_BOVIN	O46677 bos taurus
35	117.5	20.0	107	1	GRO_HUMAN	P09341 homo sapien
36	116.5	19.8	107	1	M12B_HUMAN	P19876 homo sapien
37	113.5	19.3	104	1	GROA_BOVIN	O46676 bos taurus
38	111	18.9	96	1	GRO_MOUSE	P2850 mus musculus
39	109.5	18.7	90	2	Q6W5B9	Q6W5B9 mus sprutus
40	104.5	17.8	68	1	M12A RAT	Q10746 rattus norv
41	103	17.5	104	1	GRO_CAVPO	O52235 cavia porce
42	103	17.5	117	1	AMC2_PIG	P22952 sus scrofa
43	102	17.4	89	2	Q6UB76	Q6UB76 sus scrofa
44	100	17.0	95	2	Q7T0B3	Q7T0B3 ictalurus p
45	97.5	16.6	97	2	Q98TQ2	Q98TQ2 oncorhynch
46	97	16.5	96	1	GRO RAT	P14095 rattus norv
47	95.5	16.3	66	2	Q7JFX4	Q7JFX4 oryctolagus
48	94.5	16.1	97	2	Q7SX73	Q7SX73 oncorhynch
49	94.5	16.1	113	1	SZ06_HORSE	Q8min2 equus cabal
50	94.5	16.1	126	1	SZ09_MOUSE	P18340 mus musculus
51	90.5	15.4	71	1	GRO1_RABIT	P30782 oryctolagus
52	90.5	15.4	98	2	Q6F4N2	Q6F4N2 fugu rubrip
53	89.5	15.2	97	2	Q8QFP5	Q8QFP5 cyprinus ca
54	89.5	15.2	100	2	Q8AXP4	Q8axp4 chimaera ph
55	89.5	15.2	126	2	Q8C9J0	Q8c9j0 mus musculus
56	89	15.2	95	2	Q7T0B4	Q7T0B4 ictalurus p
57	89	15.2	113	2	Q9EQI5	Q9eqi5 mus musculus
58	88	15.0	95	2	Q7T0B2	Q7T0B2 ictalurus f
59	88	15.0	109	2	Q90Y59	Q90y59 paralicthy
60	87.5	14.9	111	2	Q99ME0	Q99me0 rattus norv
61	87.5	14.9	117	2	Q6SWE3	Q6swe3 human cytom
62	87.5	14.9	125	1	SZ09_HUMAN	Q07325 homo sapien
63	87	14.8	98	2	Q8QGV8	Q8qgv8 paralicthy
64	87	14.8	114	1	SZ06_HUMAN	P80162 homo sapien
65	86.5	14.7	104	2	Q739I2	Q739I2 gallus gall
66	86	14.7	93	2	Q9PTF8	Q9ptf8 brachydanio
67	86	14.7	112	1	SZ06_BOVIN	P80221 bos taurus
68	85.5	14.6	53	2	Q6LDD6	Q6ldd6 rattus sp.
69	84.5	14.4	116	2	Q91ZB2	Q91zb2 mus musculus
70	84.5	14.4	117	2	Q8C9B8	Q8c9b8 mus musculus
71	84	14.3	94	1	SZ11_HUMAN	O14625 homo sapien
72	84	14.3	104	1	PF4V_HUMAN	P10720 homo sapien
73	83.5	14.2	101	1	IL8_CANFA	P1324 canis famil
74	83.5	14.2	101	1	IL8_FELCA	Q9xmx5 felis silve
75	83.5	14.2	102	2	Q9SMZ7	Q9smz7 ovis aries
76	83.5	14.2	102	2	Q867B3	Q867b3 capra hircu
77	83.5	14.2	117	2	Q68398	Q68398 human cytom
78	83	14.1	94	2	Q8MIZ0	Q8miz0 macaca mula
79	82.5	14.1	103	1	IL8_PIG	P26894 sus scrofa
80	82.5	14.1	128	1	SZ07_HUMAN	P02775 h platelet
81	82	14.0	94	1	SY26_HUMAN	Q9Y258 homo sapien
82	82	14.0	130	1	SZ05 RAT	P97885 rattus norv
83	81.5	13.9	98	1	SZ10_HUMAN	P02778 homo sapien
84	81.5	13.9	101	2	Q8UW31	Q8uw31 triakis scy
85	81	13.8	101	1	PLF4_HUMAN	P02776 homo sapien
86	81	13.8	457	2	Q7RI56	Q7rie6 giardia lam
87	80.5	13.7	53	2	Q6LDD5	Q6ldd5 rattus sp.
88	80.5	13.7	98	1	SZ10_MACMU	Q8miz1 macaca mula
89	80.5	13.7	98	1	SZ10_MOUSE	P17515 mus musculus
90	80.5	13.7	98	2	Q865F5	Q865f5 macaca name
91	80.5	13.7	101	1	IL8_BOVIN	P92555 bos taurus
92	80.5	13.7	103	1	EMF1_CHICK	P08317 gallus gall
93	80.5	13.7	115	2	Q6SWE1	Q6swe1 human cytom
94	80.5	13.7	115	2	Q6SWE5	Q6swe5 human cytom
95	80	13.6	119	1	SZ07_PIG	P43030 sus scrofa
96	79.5	13.5	101	1	IL8_SHEEP	P36925 ovis aries
97	79.5	13.5	101	1	IL8_TURTR	Q7yrb5 turslops tr
98	79.5	13.5	356	1	APTQ_FUGRU	P61800 fugu rubrip
99	77.5	13.2	100	2	Q8QGB7	Q8qgb7 oncorhynch
100	77.5	13.2	125	2	Q8K4B1	Q8k4b1 rattus norv

ALIGNMENTS

```
RESULT 1
Q6UN97 Q6UN97 PRELIMINARY; PRT; 111 AA.
AC Q6UN97;
DT 05-JUL-2004 (TrEMBLrel. 27, Created)
DT 05-JUL-2004 (TrEMBLrel. 27, Last sequence update)
DT 05-JUL-2004 (TrEMBLrel. 27, Last annotation update)
DE SCVB14.
GN ORFNames=UNQ240;
OS Homo sapiens (Human).
OC Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;
OC Mammalia; Eutheria; Primates; Catarrhini; Hominidae; Homo.
OX NCBI_TaxID=9606;
RN [1]
RP SEQUENCE FROM N.A.
RX MEDLINE=22887296; PubMed=12975309; DOI=10.1101/gr.1293003;
RA Clark H.F., Gurney A.L., Abaya E., Baker K., Baldwin D., Brush J.,
RA Chen J., Chow B., Chui C., Crowley C., Currell B., Deuel B., Dowd P.,
RA Eaton D., Foster J., Grimaldi C., Gu Q., Hass P.E., Heldens S.,
RA Huang A., Kim H.S., Klimowski L., Jin Y., Johnson S., Lee J.,
RA Lewis L., Liao D., Mark M., Robbie E., Sanchez C., Schoenfeld J.,
RA Seehagiri S., Simmons L., Singh J., Smith V., Stinson J., Vagts A.,
RA Vandlen R., Watanabe C., Wieand D., Woods K., Xie M.H., Yansura D.,
RA Yi S., Yu G., Yuan J., Zhang M., Zhang Z., Goddard A., Wood W.I.,
RA Godowski P.;
RT "The secreted protein discovery initiative (SPDI), a large-scale
RT effort to identify novel human secreted and transmembrane proteins: a
RT bioinformatics assessment."
RL Genome Res. 13:2265-2270(2003).
DR EMBL: AY358906; AAC89265.1; -.
DR GO: GO:000576; C:extracellular; IEA.
DR GO: GO:0008009; F:chemokine activity; IEA.
DR GO: GO:0006955; P:immune response; IEA.
DR InterPro: IPR001811; Chemokine_IL8.
DR Pfam: PF00048; IL8; 1.
SQ SEQUENCE 111 AA; 13077 MW; C9A18B2A78CACF74 CRC64;

Query Match 100.0%; Score 587; DB 2; Length 111;
Best Local Similarity 100.0%; Pred. No. 5.4e-55;
Matches 111; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 MSLPPRAPVPSMRLAAALLLLALYARVDGSKCKSRGPKIRYSDVKLEMKPKY 60
DB 1 MSLPPRAPVPSMRLAAALLLLALYARVDGSKCKSRGPKIRYSDVKLEMKPKY 60

QY 61 PHCEKMWIITKSVSRYGQEHCLHPKLOSTRFKIKWYNANWEKRRVYEE 111
DB 61 PHCEKMWIITKSVSRYGQEHCLHPKLOSTRFKIKWYNANWEKRRVYEE 111

RESULT 2
Q9NS21 Q9NS21 PRELIMINARY; PRT; 111 AA.
AC Q9NS21;
DT 01-OCT-2000 (TrEMBLrel. 15, Created)
DT 01-OCT-2000 (TrEMBLrel. 15, Last sequence update)
DT 01-OCT-2003 (TrEMBLrel. 25, Last annotation update)
DE Chemokine MIP-2 gamma.
GN Name=MIP-2 gamma;
OS Homo sapiens (Human).
OC Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;
OC Mammalia; Eutheria; Primates; Catarrhini; Hominidae; Homo.
OX NCBI_TaxID=9606;
RN [1]
RP SEQUENCE FROM N.A.
RX MEDLINE=20405642; PubMed=10946286;
RA Cao X., Zhang W., Wan T., He L., Chen T., Yuan Z., Ma S., Yu Y.,
RA Chen G.;
RT "Molecular cloning and characterization of a novel CXK chemokine
RT macrophage inflammatory protein-2 gamma chemoattractant for human
RT neutrophils and dendritic cells."
RL J. Immunol. 165:2588-2595(2000).
```

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DR EMBL: AF106911; AAF78449.1; -.
DR PIR: JG0182; JG0182.
DR GO: GO:000576; C:extracellular; IEA.
DR GO: GO:0008009; F:chemokine activity; IEA.
DR GO: GO:0006955; P:immune response; IEA.
DR InterPro: IPR001811; Chemokine_IL8.
DR Pfam: PF00048; IL8; 1.
SQ SEQUENCE 111 AA; 13126 MW; C9A18B3178CACF74 CRC64;

Query Match 99.1%; Score 582; DB 2; Length 111;
Best Local Similarity 99.1%; Pred. No. 1.8e-54;
Matches 110; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1 MSLPPRAPVPSMRLAAALLLLALYARVDGSKCKSRGPKIRYSDVKLEMKPKY 60
DB 1 MSLPPRAPVPSMRLAAALLLLALYARVDGSKCKSRGPKIRYSDVKLEMKPKY 60

QY 61 PHCEKMWIITKSVSRYGQEHCLHPKLOSTRFKIKWYNANWEKRRVYEE 111
DB 61 PHCEKMWIITKSVSRYGQEHCLHPKLOSTRFKIKWYNANWEKRRVYEE 111

RESULT 3
SZ14 HUMAN STANDARD; PRT; 99 AA.
AC O85715; Q86U69; Q9BTR1;
DT 30-MAY-2000 (Rel. 39, Created)
DT 30-MAY-2000 (Rel. 39, Last sequence update)
DT 05-JUL-2004 (Rel. 44, Last annotation update)
DE Small inducible cytokine B14 precursor (CXCL14) (Chemokine BRAX).
GN Name=CXCL14; Synonyms=NJAC, SCYB14;
OS Homo sapiens (Human)
OC Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;
OC Mammalia; Eutheria; Primates; Catarrhini; Hominidae; Homo.
OX NCBI_TaxID=9606;
RN [1]
RP SEQUENCE FROM N.A.
RX MEDLINE=99160416; PubMed=10049774; DOI=10.1006/bbrc.1999.0257;
RA Hromas R., Broxmeyer H.E., Kim C., Nakshatri H., Christopherson K. II,
RA Azam M., Hou Y.-H.;
RT "Cloning of BRAX, a novel divergent CXK chemokine preferentially
RT expressed in normal versus malignant cells."
RL Biochem. Biophys. Res. Commun. 255:703-706(1999).
RN [2]
RP SEQUENCE FROM N.A.
RC TISSUE=Oral epithelium;
RA Frederick M.F., Henderson Y., Xu X., El-Naggar A.K., Wu H.,
RA Hudson J.M., Clayman G.L.;
RT "Identification of a novel chemokine family member with altered
RT expression in human head and neck squamous cell carcinoma."
RL Submitted (APR-1999) to the EMBL/GenBank/DBJ databases.
RN [3]
RP SEQUENCE FROM N.A.
RA Kalnine N., Chen X., Rolfs A., Halleck A., Hines L., Eisenstein S.,
RA Koundinya M., Raphael J., Moreira D., Kelley T., Labaer J., Lin Y.,
RA Phelan M., Farmer A.;
RT "Cloning of human full-length CDSs in BD Creator(TM) system donor
RT vector."
RL Submitted (MAY-2003) to the EMBL/GenBank/DBJ databases.
RN [4]
RP SEQUENCE FROM N.A.
RC TISSUE=Pancreas;
RX MEDLINE=22388257; PubMed=12477932; DOI=10.1073/pnas.242603899;
RA Strausberg R.L., Feingold E.A., Grouse L.H., Derge J.G.,
RA Klausner R.D., Collins F.S., Wagner K.H., Shenmen C.M., Schuler G.D.,
RA Altschul S.F., Zeeberg B., Buetow K.H., Schaefer C.F., Bhat N.K.,
RA Hopkins R.F., Jordan H., Moore T., Max S.I., Wang J., Heide F.,
RA Diatchenko L., Marusina K., Farmer A.A., Rubin G.M., Hong L.,
RA Stapleton M., Soares M.B., Bonaldo M.F., Casavant T.L., Scheetz T.E.,
RA Brownstein M.J., Udwin T.B., Toshiyuki S., Carninci P., Prange C.,
RA Raha S.S., Loquellano N.A., Peters G.J., Abramson R.D., Mullaly S.J.,
RA Bosak S.A., McSwan P.J., McKernan K.J., Malek J.A., Gunaratne P.H.,
RA Richards S., Worley K.C., Hale S., Garcia A.M., Gay L.J., Hulyk S.W.,
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RA Villalon D.K., Muzny D.M., Sodergren E.J., Lu X., Gibbs R.A.,
RA Fahy J., Helton E., Kettman M., Madan A., Rodrigues S., Sanchez A.,
RA Whiting M., Madan A., Young A.C., Shevchenko Y., Bouffard G.G.,
RA Blakesley R.W., Touchman J.W., Green E.D., Dickson M.C.,
RA Rodriguez A.C., Grimwood J., Schmutz J., Myers R.M.,
RA Butterfield Y.S.N., Krawinski M.I., Skalska U., Smalish D.B.,
RA Schnerch A., Schein J.B., Jones S.J.M., Marra M.A.,
RT "Generation and initial analysis of more than 15,000 full-length human
RT and mouse cDNA sequences."
RL Proc. Natl. Acad. Sci. U.S.A. 99:16899-16903(2002).
CC -!- FUNCTION: Not chemotactic for T-cells, B-cells, monocytes,
CC natural killer cells or granulocytes. Does not inhibit
CC proliferation of myeloid progenitors in colony formation assays.
CC -!- SUBCELLULAR LOCATION: Secreted.
CC -!- TISSUE SPECIFICITY: Expressed in heart, brain, placenta, lung,
CC liver, skeletal muscle, kidney and pancreas. Highly expressed in
CC normal tissue without inflammatory stimuli and infrequently
CC expressed in cancer cell lines.
CC -!- SIMILARITY: Belongs to the intercrine alpha (chemokine CXC)
CC family.
CC
CC This SWISS-PROT entry is copyright. It is produced through a collaboration
CC between the Swiss Institute of Bioinformatics and the EMBL outstation -
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CC or send an email to license@isb-sib.ch).
CC
DR EMBL; AF073957; AAD03839.1; -
DR EMBL; AF144103; AAD38944.1; -
DR EMBL; BT007080; AAP35743.1; ALT_INIT.
DR EMBL; BC003513; AAH03513.1; ALT_INIT.
DR Genew; HGNC:10640; CXCL14.
DR H-InvDB; HIX0005195; -
DR MIM; 604186; -
DR GO; GO:0008009; P:chemokine activity; TAS.
DR GO; GO:007287; P:cell-cell signaling; TAS.
DR GO; GO:006935; P:chemotaxis; TAS.
DR GO; GO:007165; P:signal transduction; TAS.
DR InterPro; IPR002473; C-X-C/Interlkn.8.
DR InterPro; IPR001811; Chemokine IL8.
DR InterPro; IPR001089; CXC_chemkine_smll.
DR Pfam; PF00048; IL8; 1.
DR PRINTS; PR00436; INTERLEUKIN8.
DR PROSITE; PS00471; SMALL_CYTOKINES_CXC; FALSE_NEG.
DR Cytokine; Signal.
FT SIGNAL 1 22 Potential.
FT CHAIN 23 99 Small inducible cytokine B14.
FT DISULFID 25 51 By similarity.
FT DISULFID 27 72 By similarity.
SQ SEQUENCE 99 AA; 11772 MW; 998802D8FC659C1D CRC64;

Query Match 89.8%; Score 527; DB 1; Length 99;
Best Local Similarity 100.0%; Pred. No. 1.3e-48;
Matches 99; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 13 MRLAAALLLLLLALYARVDGSKCKSRGPKIRYSDVKLEMKPKYPHCEKRWIIT 72
Db 1 MRLAAALLLLLLALYARVDGSKCKSRGPKIRYSDVKLEMKPKYPHCEKRWIIT 60

Qy 73 KSVSRYRGQEHCLHPKLOSTKRFIKWYNAWNEKRVYEE 111
Db 61 KSVSRYRGQEHCLHPKLOSTKRFIKWYNAWNEKRVYEE 99

RESULT 4
Q8K453
ID Q8K453 PRELIMINARY; PRT; 99 AA.
AC Q8K453;
DT 01-OCT-2002 (TrEMBLrel. 22, Created)
DT 01-OCT-2002 (TrEMBLrel. 22, Last sequence update)
DT 01-JUN-2003 (TrEMBLrel. 24, Last annotation update)
KW Cytokine; Signal.
FT SIGNAL 1 22 Potential.
FT CHAIN 23 99 Small inducible cytokine B14.
FT DISULFID 25 51 By similarity.
FT DISULFID 27 72 By similarity.
SQ SEQUENCE 99 AA; 11772 MW; 998802D8FC659C1D CRC64;

Query Match 89.8%; Score 527; DB 1; Length 99;
Best Local Similarity 100.0%; Pred. No. 1.3e-48;
Matches 99; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 13 MRLAAALLLLLLALYARVDGSKCKSRGPKIRYSDVKLEMKPKYPHCEKRWIIT 72
Db 1 MRLAAALLLLLLALYARVDGSKCKSRGPKIRYSDVKLEMKPKYPHCEKRWIIT 60

Qy 73 KSVSRYRGQEHCLHPKLOSTKRFIKWYNAWNEKRVYEE 111
Db 61 KSVSRYRGQEHCLHPKLOSTKRFIKWYNAWNEKRVYEE 99

RESULT 4
Q8K453
ID Q8K453 PRELIMINARY; PRT; 99 AA.
AC Q8K453;
DT 01-OCT-2002 (TrEMBLrel. 22, Created)
DT 01-OCT-2002 (TrEMBLrel. 22, Last sequence update)
DT 01-JUN-2003 (TrEMBLrel. 24, Last annotation update)

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```

DE BRAK.
OS Rattus norvegicus (Rat).
OC Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;
OC Mammalia; Eutheria; Rodentia; Sciurognathi; Muridae; Murinae; Rattus.
OX NCBI_TaxID=10116;
RN [1]
RP SEQUENCE FROM N.A.
RC STRAIN=Wistar;
RA Han G.D., Koike H., Shimizu F., Kawachi H.;
RL Submitted (FEB-2002) to the EMBL/GenBank/DBJ databases.
EMBL; AF488348; AAM74057.1; -
DR GO; GO:0005576; C:extracellular; IEA.
DR GO; GO:0008009; P:chemokine activity; IEA.
DR GO; GO:0006955; P:immune response; IEA.
DR InterPro; IPR002473; C-X-C/Interlkn.8.
DR InterPro; IPR001811; Chemokine IL8.
DR Pfam; PF00048; IL8; 1.
DR PRINTS; PR00436; INTERLEUKIN8.
DR PROSITE; PS00471; SMALL_CYTOKINES_CXC; FALSE_NEG.
SQ SEQUENCE 99 AA; 11730 MW; 972C06336C7F46D6 CRC64;

Query Match 86.4%; Score 507; DB 2; Length 99;
Best Local Similarity 96.0%; Pred. No. 1.8e-46;
Matches 95; Conservative 2; Mismatches 2; Indels 0; Gaps 0;

Qy 13 MRLAAALLLLLLALYARVDGSKCKSRGPKIRYSDVKLEMKPKYPHCEKRWIIT 72
Db 1 MRLAAALLLLLLALYARVDGSKCKSRGPKIRYSDVKLEMKPKYPHCEKRWIIT 60

Qy 73 KSVSRYRGQEHCLHPKLOSTKRFIKWYNAWNEKRVYEE 111
Db 61 KSVSRYRGQEHCLHPKLOSTKRFIKWYNAWNEKRVYEE 99

RESULT 5
Q9JHH7
ID Q9JHH7 PRELIMINARY; PRT; 99 AA.
AC Q9JHH7;
DT 01-OCT-2000 (TrEMBLrel. 15, Created)
DT 01-OCT-2000 (TrEMBLrel. 15, Last sequence update)
DT 25-OCT-2004 (TrEMBLrel. 28, Last annotation update)
DE B cell and monocyte-activating chemokine precursor (Mus musculus
DE brain cDNA, clone MNCB-6413, similar to Mus musculus adult male lung cDNA, RIKEN
DE chemokine CXC (Kc) mRNA) (Mus musculus adult male lung cDNA, RIKEN
DE full-length enriched library, clone:120006123 product:small inducible
DE cytokine subfamily B (Cys-X-Cys), member 14, full insert sequence)
DE (Mus musculus 17 days embryo head cDNA, RIKEN full-length enriched
DE library, clone:3300001319 product:small inducible cytokine subfamily B
DE (Cys-X-Cys), member 14, full insert sequence) (Mus musculus 10, 11
DE days embryo whole body cDNA, RIKEN full-length enriched library,
DE clone:2810410F08 product:small inducible cytokine subfamily B (Cys-X-
DE Cys), member 14, full insert sequence).
GN Name=Cxcl14; Synonyms=Bmac;
OS Mus musculus (Mouse).
OC Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;
OC Mammalia; Eutheria; Rodentia; Sciurognathi; Muridae; Murinae; Mus.
OX NCBI_TaxID=10090;
RN [1]
RP SEQUENCE FROM N.A.
RC STRAIN=BALB/cbVJ;
RX MEDLINE=20247020; PubMed=10784614;
RA Sleeman M.A., Fraser J.K., Murison J.G., Kelly S.L., Prestidge R.L.,
RA Palmer D.J., Watson J.D., Kumble K.D.;
RT "B cell- and monocyte-activating chemokine (BMAC), a novel non-ELR
RT alpha-chemokine."
RT Int. Immunol. 12:677-689(2000).
RN [2]
RP SEQUENCE FROM N.A.
RC STRAIN=C57BL;
RA Osada N., Kusuda J., Tanuma R., Ito A., Hirata M., Sugano S.,
RA Hashimoto K.;
RL Submitted (APR-2000) to the EMBL/GenBank/DBJ databases.
RN [3]
RP SEQUENCE FROM N.A.

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RC STRAIN=C57BL/6J; TISSUE=Head, Lung, and Whole body;
RX MEDLINE=92279253; PubMed=10349636; DOI=10.1016/S0076-6879(99)03004-9;
RA Carninci P., Hayashizaki Y.;
RT "High-efficiency full-length cDNA cloning.";
RL Meth. Enzymol. 303:19-44(1999).
RN [4]
RP SEQUENCE FROM N.A.
RC STRAIN=C57BL/6J; TISSUE=Head, Lung, and Whole body;
RX MEDLINE=21085660; PubMed=11217851; DOI=10.1038/35055500;
RA RIKEN FANTOM Consortium;
RT "Functional annotation of a full-length mouse cDNA collection.";
RL Nature 409:685-690(2001).
RN [5]
RP SEQUENCE FROM N.A.
RC STRAIN=C57BL/6J; TISSUE=Head, Lung, and Whole body;
RX MEDLINE=20530913; PubMed=11076861; DOI=10.1101/gr.152600;
RA Shibata K., Itoh M., Aizawa K., Nagaoka S., Sasaki N., Carninci P.,
Kanno H., Akiyama J., Nishi K., Kitsuai T., Tashiro H., Itoh M.,
Sumi N., Ishii Y., Nakamura S., Hazama M., Nishine T., Harada A.,
Yamamoto R., Matsumoto H., Sakaguchi S., Ikegami T., Kashiwagi K.,
Fujiwaka S., Inoue K., Togawa Y., Izawa M., Ohara E., Watabiki M.,
Yoneda Y., Ishikawa T., Ozawa K., Tanaka T., Matsura S., Kawai J.,
Okazaki Y., Muramatsu M., Inoue Y., Kira A., Hayashizaki Y.;
RT "RIKEN integrated sequence analysis (RISA) system-384-format
sequencing pipeline with 384 multicapillary sequencer.";
RL Genome Res. 10:1757-1771(2000).
RN [7]
RP SEQUENCE FROM N.A.
RC STRAIN=C57BL/6J; TISSUE=Head, Lung, and Whole body;
RX MEDLINE=20530913; PubMed=11076861; DOI=10.1101/gr.152600;
RA Shibata K., Itoh M., Aizawa K., Nagaoka S., Sasaki N., Carninci P.,
Kanno H., Akiyama J., Nishi K., Kitsuai T., Tashiro H., Itoh M.,
Sumi N., Ishii Y., Nakamura S., Hazama M., Nishine T., Harada A.,
Yamamoto R., Matsumoto H., Sakaguchi S., Ikegami T., Kashiwagi K.,
Fujiwaka S., Inoue K., Togawa Y., Izawa M., Ohara E., Watabiki M.,
Yoneda Y., Ishikawa T., Ozawa K., Tanaka T., Matsura S., Kawai J.,
Okazaki Y., Muramatsu M., Inoue Y., Kira A., Hayashizaki Y.;
RT "RIKEN integrated sequence analysis (RISA) system-384-format
sequencing pipeline with 384 multicapillary sequencer.";
RL Genome Res. 10:1757-1771(2000).
RN [8]
RP SEQUENCE FROM N.A.
RC STRAIN=C57BL/6J; TISSUE=Head, and Lung;
RA Adachi J., Aizawa K., Akahira S., Akimura T., Arai A., Aono H.,
Arakawa T., Bono H., Carninci P., Fukuda S., Fukunishi Y., Furuno M.,
Hanagaki T., Hara A., Hayatsu N., Hiramoto K., Hiraoka T., Hori F.,
Inotani K., Ishii Y., Itoh M., Izawa M., Kasukawa T., Kato H.,
Kawai J., Kojima Y., Konno H., Kouda M., Koya S., Kurihara C.,
Matsuyama T., Miyazaki A., Nishi K., Nomura K., Numazaki R., Ohno M.,
Okazaki Y., Okido T., Owa C., Saito H., Saito R., Sakai C., Sakai K.,
Sano H., Sasaki D., Shibata K., Shibata Y., Shinagawa A., Shiraki T.,
Sogabe Y., Suzuki H., Tagami M., Tagawa A., Takahashi F., Tanaka T.,
Tejima Y., Toya T., Yamamura T., Yasunishi A., Yoshida K., Yoshino M.,
Muramatsu M., Hayashizaki Y.;
RT Submitted (JUL-2000) to the EMBL/GenBank/DBJ databases.
RN [9]
RP SEQUENCE FROM N.A.
RC STRAIN=C57BL/6J; TISSUE=Whole body;
RA Adachi J., Aizawa K., Akahira S., Akimura T., Aono H., Arai A.,
Arakawa T., Bono H., Carninci P., Fukuda S., Fukunishi Y., Furuno M.,
Hanagaki T., Hara A., Hayatsu N., Hiramoto K., Hiraoka T., Hori F.,
Inotani K., Ishii Y., Itoh M., Izawa M., Kasukawa T., Kato H.,
Kawai J., Kojima Y., Konno H., Kouda M., Koya S., Kurihara C.,
Matsuyama T., Miyazaki A., Nishi K., Nomura K., Numazaki R., Ohno M.,
Okazaki Y., Okido T., Owa C., Saito H., Saito R., Sakai C., Sakai K.,
Sano H., Sasaki D., Shibata K., Shibata Y., Shinagawa A., Shiraki T.,
Sogabe Y., Suzuki H., Tagami M., Tagawa A., Takahashi F., Tanaka T.,
Tejima Y., Toya T., Yamamura T., Yasunishi A., Yoshida K., Yoshino M.,
Muramatsu M., Hayashizaki Y.;
RT Submitted (APR-2002) to the EMBL/GenBank/DBJ databases.
RN [9]

DR EMBL; AF144754; AAF66694.1; -;
DR EMBL; AB041614; BAA95097.1; -;
DR EMBL; AK004615; BAB23411.1; -;
DR EMBL; AK014351; BAB29292.1; -;
DR EMBL; AK076112; BAC36192.1; -;
DR MGD; MGI:1888514; Cxcl14.
DR GO; GO:0005615; C:extracellular space; TAS.
DR InterPro; IPR002473; C-X-C/Interlkn_8.
DR InterPro; IPR001811; Chemokine_IL8_
DR Pfam; PF00048; IL8; 1.
DR PRINTS; PR00436; INTERLEUKINS.
KW SIGNAL.
FT SIGNAL 1 23 Potential.
FT CHAIN 24 99 B cell and monocyte-activating
FT chemokine.
SQ SEQUENCE 99 AA; 11716 MW; 97352E91FF7F46D6 CRC64;
Query Match 86.2%; Score 506; DB 2; Length 99;
Best Local Similarity 94.9%; Pred. No. 2.3e+46;
Matches 94; Conservative 3; Mismatches 2; Indels 0; Gaps 0;
QY 13 MRLAAALLLLLLLALYARVDGSKCKSRKPKIRYSDVKLEMKPKYPHCEKMWIIT 72
DB 1 MRLAAALLLLLLLALCASRYDVGSKCKSRKPKIRYSDVKLEMKPKYPHCEKMWIIT 60
QY 73 KSVSRVYRGQSHCHLPKIQSTKRFIKWYNWNEKRRVYEE 111
DB 61 KSVSRVYRGQSHCHLPKIQSTKRFIKWYNWNEKRRVYEE 99
RESULT 6
SZ14 MOUSE
ID -SZ14_MOUSE STANDARD; PRT; 99 AA.
AC Q9WU05;
DT 30-MAY-2000 (Rel. 39, Created)
DT 30-MAY-2000 (Rel. 39, Last sequence update)
DT 05-JUL-2004 (Rel. 44, Last annotation update)
DE Small inducible cytokine B14 precursor (CXCL14) (Chemokine BRAK)
DE (kidney-expressed chemokine CXCL14)
DE Names: Cxcl14; Synonyms: Kc, Scyb14;
OS Mus musculus (Mouse).
OC Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;
OC Mammalia; Eutheria; Rodentia; Sciurognathi; Muridae; Mus.
OX NCBI_TaxID=10090;
RN [1]
RP SEQUENCE FROM N.A.
RX MEDLINE=99160416; PubMed=10049774; DOI=10.1006/bbrc.1999.0257;
RA Hromas R., Broxmeyer H.E., Kim C., Nakhatri H., Christopherson K. II,
Azam M., Hou Y.-H.;
RT "Cloning of BRAK, a novel divergent CXCL chemokine preferentially
expressed in normal versus malignant cells.";
RL Biochem. Biophys. Res. Commun. 255:703-706(1999).
RN [2]
RP SEQUENCE FROM N.A.
RC STRAIN=C3H;
RA Wang L., Deng L., Raikwar N., Sahota A., Tischfield J.A.;
RT "Identification of a kidney-expressed chemokine (KEC), a member of the
CXCL family, that is selectively elevated in apt knockout mice.";
RL Submitted (OCT-1999) to the EMBL/GenBank/DBJ databases.
CC -1- SUBCELLULAR LOCATION: Secreted (Potential).
CC -1- SIMILARITY: Belongs to the interleukin alpha (chemokine CxCL)
family.
CC This SWISS-PROT entry is copyright. It is produced through a collaboration
between the Swiss Institute of Bioinformatics and the EMBL outstation -
the European Bioinformatics Institute. There are no restrictions on its
use by non-profit institutions as long as its content is in no way
modified and this statement is not removed. Usage by and for commercial
entities requires a license agreement (see <http://www.isb-sib.ch/announce/>).
CC or send an email to license@isb-sib.ch.
DR EMBL; AF152377; AAF34157.1; -;
DR EMBL; AF192557; AAF03753.1; -;


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DR MGD; MGI:1888514; Cxcl14.
DR InterPro; IPR002473; C-X-C/Interlkn.8.
DR InterPro; IPR001811; Chemokine IL8.
DR InterPro; IPR001089; CXCL14; CXCL14.
DR Pfam; PF00048; IL8; 1.
DR PRINTS; PR00436; INTERLEUKIN8.
DR PROSITE; PS00471; SMALL_CYTOKINES_CXC; FALSE_NEG.
KW Chemokine; Signal.
FT SIGNAL 1 22 Potential.
FT CHAIN 23 99 Small inducible cytokine B14.
FT DISULFID 25 51 By similarity.
FT DISULFID 27 72 By similarity.
FT CONFLICT 64 64 F -> S (in Ref. 2).
SQ SEQUENCE 99 AA; 11802 MW; 754BD6CDA01CA25D CRC64;

Query Match 83.3%; Score 489; DB 1; Length 99;
Best Local Similarity 91.9%; Pred. No. 1.5e-44;
Matches 91; Conservative 3; Mismatches 5; Indels 0; Gaps 0;

Qy 13 MRLAAALLLLALYARVDGSKCKSRGPKIRYSDVKLEMKPKYPHCEERKVIIT 72
Db 1 MRLAAALLLLALCVRALDGSCKSRGPKIRYSDVKLEMKPKYPHCEERKVIIT 60

Qy 73 KSVSRGQEHCLHPKLOSTKRFIKWYNANNEKRVYEE 111
Db 61 KSMFRYRQEHCLHPKLOSTKRFIKWYNANNEKRVYEE 99

RESULT 7
Q91V02 ID Q91V02 PRELIMINARY; PRT; 95 AA.
AC Q91V02;
DT 01-DEC-2001 (TrEMBLrel. 19, Created)
DT 01-DEC-2001 (TrEMBLrel. 19, Last sequence update)
DT 05-JUL-2004 (TrEMBLrel. 27, Last annotation update)
DE MIP2gamma (Fragment).
OS Mus musculus (Mouse).
OC Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;
OC Mammalia; Eutheria; Rodentia; Sciurognathi; Muridae; Mus.
OX NCBI_TaxID=10090;
RN [1]
RP SEQUENCE FROM N.A.
RC STRAIN=C57BL/6J; TISSUE=Placenta;
RA Schilderink N., Geerts D.;
RL Submitted (FEB-2001) to the EMBL/GenBank/DBJ databases.
DR EMBL; AF352784; AAK52902.1; -
DR EMBL; AF352785; AAK52903.1; -
DR GO; GO:0005576; C:extracellular; IEA.
DR GO; GO:0008009; F:chemokine activity; IEA.
DR GO; GO:0006955; P:immune response; IEA.
DR Pfam; PF00048; IL8; 1.
FT NON TER 1
SQ SEQUENCE 95 AA; 11202 MW; EA9D0F5A7CA64F1C CRC64;

Query Match 83.1%; Score 488; DB 2; Length 95;
Best Local Similarity 94.7%; Pred. No. 1.8e-44;
Matches 90; Conservative 3; Mismatches 2; Indels 0; Gaps 0;

Qy 17 AAALLLLALYARVDGSKCKSRGPKIRYSDVKLEMKPKYPHCEERKVIITKSVS 76
Db 1 AAALLLLALCAAGRVDSGSKCKSRGPKIRYSDVKLEMKPKYPHCEERKVIITKSMS 60

Qy 77 RYRQEHCLHPKLOSTKRFIKWYNANNEKRVYEE 111
Db 61 RYRQEHCLHPKLOSTKRFIKWYNANNEKRVYEE 95

RESULT 8
Q6EXK6 ID Q6EXK6 PRELIMINARY; PRT; 79 AA.
AC Q6EXK6;
DT 25-OCT-2004 (TrEMBLrel. 28, Created)
DT 25-OCT-2004 (TrEMBLrel. 28, Last sequence update)
```

```
DT 25-OCT-2004 (TrEMBLrel. 28, Last annotation update)
DB Chemokine (Fragment).
GN Name=CKCL14;
OS Sus scrofa (pig).
OC Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;
OC Mammalia; Eutheria; Cetartiodactyla; Suina; Suidae; Sus.
OX NCBI_TaxID=9823;
RN [1]
RP SEQUENCE FROM N.A.
RX PubMed=15242943;
RA Ledger T.N., Pinton P., Bourges D., Roumi P., Salmon H., Oswald I.P.;
RT "Development of a macroarray to specifically analyze immunological
RL gene expression in Swine.";
DR EMBL; AY308800; AAQ75577.1; -
DR GO; GO:0005576; C:extracellular; IEA.
DR GO; GO:0008009; F:chemokine activity; IEA.
DR GO; GO:0006955; P:immune response; IEA.
DR InterPro; IPR001811; Chemokine_IL8.
FT NON TER 1
SQ SEQUENCE 79 AA; 9651 MW; D1146B8D45F04354 CRC64;

Query Match 73.9%; Score 434; DB 2; Length 79;
Best Local Similarity 97.5%; Pred. No. 9.3e-39;
Matches 77; Conservative 2; Mismatches 0; Indels 0; Gaps 0;

Qy 33 DGSCKCSRGPKIRYSDVKLEMKPKYPHCEERKVIITKSVSRGQEHCLHPKLOST 92
Db 1 DGSCKCSRGPKIRYSDVKLEMKPKYPHCEERKVIITKSVSRGQEHCLHPKLOST 60

Qy 93 KRFIKWYNANNEKRVYEE 111
Db 61 KRFIKWYNANNEKRVYEE 79

RESULT 9
Q6GLX8 ID Q6GLX8 PRELIMINARY; PRT; 99 AA.
AC Q6GLX8;
DT 05-JUL-2004 (TrEMBLrel. 27, Created)
DT 05-JUL-2004 (TrEMBLrel. 27, Last sequence update)
DT 05-JUL-2004 (TrEMBLrel. 27, Last annotation update)
DE MGC84138 protein.
GN Name=MGC84138;
OS Xenopus laevis (African clawed frog).
OC Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;
OC Amphibia; Batrachia; Anura; Mesobatrachia; Pipidea; Pipidae;
OC Xenopodinae; Xenopus.
OX NCBI_TaxID=8355;
RN [1]
RP SEQUENCE FROM N.A.
RX TISSUE=Brain;
MEDLINE=22398257; PubMed=12477932; DOI=10.1073/pnas.242603899;
RA Strausberg R.L., Feingold E.A., Grouse L.H., Derge J.G.,
RA Klausner R.D., Collins F.S., Wagner L., Shenmen C.M., Schuler G.D.,
RA Altschul S.F., Zeeberg B., Buetow K.H., Schaefer C.F., Bhat N.K.,
RA Hopkins R.F., Jordan H., Moore T., Max S.I., Wang J., Haiech F.,
RA Diatchenko L., Marusina K., Farmer A.A., Rubin G.M., Hong L.,
RA Stapleton M., Soares M.B., Bonaldo M.F., Casavant T.L., Scheetz T.E.,
RA Brownstein M.J., Udén T.B., Toshiyuki S., Carninci P., Prange C.,
RA Raha S.S., Loquellano N.A., Peters G.J., Abramson R.D., Mullany S.J.,
RA Bosak S.A., McEwan P.J., McKernan K.J., Malek J.A., Gunaratne P.H.,
RA Richards S., Worley K.C., Hale S., Garcia A.M., Gay L.J., Hulyk S.W.,
RA Villalón D.K., Muzny D.M., Sodergren E.J., Lu X., Gibbs R.A.,
RA Fahey J., Helton E., Kettman M., Madan A., Rodriguez S., Sanchez A.,
RA Whiting M., Madan A., Young A.C., Shevchenko Y., Bouffard G.G.,
RA Blakesley R.W., Touchman J.W., Green E.D., Dickson M.C.,
RA Rodriguez A.C., Grimwood J., Schmutz J., Myers R.M., Butterfield Y.S.,
RA Krzywinski M.I., Skalska U., Smailus D.E., Schnerch A., Schein J.E.,
RA Jones S.J., Marra M.A.;
RT "Generation and initial analysis of more than 15,000 full-length human
RL Proc. Natl. Acad. Sci. U.S.A. 99:16899-16903(2002)."
```


DE Jun-suppressed chemokine.
GN Name=JSC;
OS Gallus gallus (Chicken).
OC Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;
OC Archosauria; Aves; Neognathae; Galliformes; Phasianidae; Phasianinae;
OC Gallus.
OX NCBI_TaxID=9031;
RN [1]
RP SEQUENCE FROM N.A.
RC TISSUE=Fibroblast;
RA Hartl M., Bister K.;
RL Submitted (MAR-2004) to the EMBL/GenBank/DBJ databases.
DR EMBL; AF285876; AAG0529.1; --
DR HSP: P02778; I07Y
DR GO: GO:000576; C:extracellular; IEA.
DR GO: GO:0008009; F:chemokine activity; IEA.
DR GO: GO:0006955; P:immune response; IEA.
DR InterPro; IPR001811; Chemokine_IL8.
SQ SEQUENCE 98 AA; 11564 MW; 30D88E540AADD35B CRC64;

Query Match 54.98; Score 322.5; DB 2; Length 98;
Best Local Similarity 60.08; Pred. No. 1e-26;
Matches 60; Conservative 19; Mismatches 18; Indels 3; Gaps 2;

QY 13 MRLAAALLLLALYARVDGSKCKSRGPKIRYSDVKLEMKPKYPHCEKMWIIT 72
DB 1 MKLLTAALLLVLTAMCLASRGVCKSRGPKIRFSNVRLEIKRYPFCVEMIIVTL 60

QY 73 KVSRYRG-QEHLHPKQSTQFIKWYNWNEKRRVYEE 111
DB 61 --WTKVRGEQOHLNPKRQNTVLLKWRVWKEGRVYEE 98

RESULT 16
Q6AXC2
ID Q6AXC2 PRELIMINARY; PRT; 61 AA.
AC Q6AXC2;
DT 25-OCT-2004 (TrEMBLrel. 28, Created)
DT 25-OCT-2004 (TrEMBLrel. 28, Last sequence update)
DT 25-OCT-2004 (TrEMBLrel. 28, Last annotation update)
DE Cxcl14 protein.
GN Name=Cxcl14;
OS Mus musculus (Mouse).
OC Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;
OC Mammalia; Eutheria; Rodentia; Sciurognathi; Muridae; Murinae; Mus.
OX NCBI_TaxID=10090;
RN [1]
RP SEQUENCE FROM N.A.
RC STRAIN=C57BL/6; TISSUE=Brain;
RX PubMed=12477932; DOI=10.1073/pnas.242603899;
RA Strausberg R.L., Feingold E.A., Grouse L.H., Derge J.G.,
RA Klausner R.D., Collins F.S., Wagner L., Shenmen C.M., Schuler G.D.,
RA Altschul S.F., Zeeberg B., Buetow K.H., Schaefer C.F., Bhat N.K.,
RA Hopkins R.F., Jordan H., Moore T., Max S.I., Wang J., Hsieh F.,
RA Diatchenko L., Marusina K., Farmer A.A., Rubin G.M., Hong L.,
RA Stapleton M., Soares M.B., Bonaldo M.F., Casavant T.L., Scheetz T.E.,
RA Brownstein M.J., Ustin T.B., Toshiyuki S., Carninci P., Prange C.,
RA Rana S.S., Loquellano N.A., Peters G.J., Abramson R.D., Mullaly S.J.,
RA Bosak S.A., McEwan P.J., McKernan K.J., Malek J.A., Gunaratne P.H.,
RA Richards S., Worley K.C., Hale S., Garcia A.M., Gay L.J., Hulyk S.W.,
RA Villalón D.K., Muzny D.M., Sodergren E.J., Lu X., Gibbs R.A.,
RA Fahey J., Helton E., Kettman M., Madan A., Rodriguez S., Sanchez A.,
RA Whiting M., Madan A., Young A.C., Shevchenko Y., Bouffard G.G.,
RA Blakesley R.W., Touchman J.W., Green E.D., Dickson M.C.,
RA Rodriguez A.C., Grimwood J., Schmutz J., Myers R.M., Butterfield Y.S.,
RA Krzywinski M.I., Skaleck J., Smaltus D.E., Schnerch A., Schein J.E.,
RA Jones S.J., Marra M.A.;
RT "Generation and initial analysis of more than 15,000 full-length human
and mouse cDNA sequences.";
RL Proc. Natl. Acad. Sci. U.S.A. 99:16899-16903(2002).
RN [2]
RP SEQUENCE FROM N.A.
RC STRAIN=C57BL/6; TISSUE=Brain;

RA Director MGC Project;
RL Submitted (AUG-2004) to the EMBL/GenBank/DBJ databases.
DR EMBL; BC079661; AAH79661.1; --
DR GO: GO:0005615; C:extracellular space; TAS.
DR InterPro; IPR002473; C-X-C/Interlkn_8.
DR InterPro; IPR001811; Chemokine_IL8.
DR PRINTS; PR00436; INTERLEUKIN8.
SQ SEQUENCE 61 AA; 6986 MW; 049D9D11BB974941 CRC64;

Query Match 47.08; Score 276; DB 2; Length 61;
Best Local Similarity 91.48; Pred. No. 6.1e-22;
Matches 53; Conservative 3; Mismatches 2; Indels 0; Gaps 0;

QY 13 MRLAAALLLLALYARVDGSKCKSRGPKIRYSDVKLEMKPKYPHCEKMWI 70
DB 1 MRLAAALLLLALCASRVGSKCKSRGPKIRYSDVKLEMKPKYPHCEKMWV 58

RESULT 17
MI2B_RAT
ID MI2B_RAT STANDARD; PRT; 100 AA.
AC Q10747;
DT 01-OCT-1996 (Rel. 34, Created)
DT 01-OCT-1996 (Rel. 34, Last sequence update)
DT 25-OCT-2004 (Rel. 45, Last annotation update)
DE Macrophage inflammatory protein-2-beta precursor (MIP2-beta) (CINC-2-beta).
DE beta).
GN Name=Cinc2;
OS Rattus norvegicus (Rat).
OC Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;
OC Mammalia; Eutheria; Rodentia; Sciurognathi; Muridae; Murinae; Rattus.
OX NCBI_TaxID=10116;
RN [1]
RP SEQUENCE FROM N.A., AND SEQUENCE OF 33-100.
RC STRAIN=Wistar;
RX MEDLINE=94318061; PubMed=8043001;
RA Nakagawa H., Komorita N., Shibata F., Ikesue A., Konishi K.,
RA Fujioka M., Kato H.;
RT "Identification of cytokine-induced neutrophil chemoattractants
(CINC), rat GRO/CINC-2 alpha and CINC-2 beta, produced by granulation
tissue in culture: purification, complete amino acid sequences and
characterization.";
RL Biochem. J. 301:545-550(1994).
RN [2]
RP SEQUENCE OF 33-52.
RC STRAIN=Wistar;
RX MEDLINE=96183056; PubMed=8607872; DOI=10.1006/bbrc.1996.0511;
RA Nakagawa H., Shiota S., Takano K., Shibata F., Kato H.;
RT "Cytokine-induced neutrophil chemoattractant (CINC)-2 alpha, a novel
member of rat GRO/CINC, is a predominant chemokine produced by
lipopolysaccharide-stimulated rat macrophages in culture.";
RL Biochem. Biophys. Res. Commun. 220:945-948(1996).
CC -I- FUNCTION: May play a role in inflammation and exert its effects on
endothelial cells in an autocrine fashion.
CC -I- SUBCELLULAR LOCATION: Secreted.
CC -I- SIMILARITY: Belongs to the interleukin alpha (chemokine Cx) family.
CC
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or send an email to license@isb-sib.ch).
CC
CC EMBL; D21095; BAA04657.1; --
DR PIR; S46198; S46198.
DR HSP: P10889; IMI2.
DR RGD; 621812; Cinc2.
DR InterPro; IPR002473; C-X-C/Interlkn_8.
DR InterPro; IPR001811; Chemokine_IL8.
DR InterPro; IPR001089; CX_cmkine_sml1.

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DR Pfam; PF00048; IL8; 1.
DR PRINTS; PR00437; SMALLCYTKXC.
DR SMART; SM00199; SCY; 1.
DR PROSITE; PS00471; SMALL_CYTOKINES_CXC; 1.
KW Chemotaxis; Cytokine; Direct protein sequencing;
KW Inflammatory response; Signal.
FT SIGNAL 1 32
FT CHAIN 33 100 Macrophage inflammatory protein-2-beta.
FT DISULFID 37 63 By similarity.
FT DISULFID 39 79 By similarity.
SQ SEQUENCE 100 AA; 10989 MW; E853CEFEF3090D2 CRC64;

Query Match 24.4%; Score 143.5; DB 1; Length 100;
Best Local Similarity 35.1%; Pred. No. 1.6e-07;
Matches 34; Conservative 19; Mismatches 31; Indels 13; Gaps 3;

Qy 8 APPVSMELLAALLLLALLATARVDGS-----KCKSRKGPRIYSDVKLEMPKY 60
Db 2 APP-TRRLNAALLLLMATSHQPSGTVVARELCQCLTKLPRVDFENIQSLTVTPPG 60

Qy 61 PHCEKRWIITKSVSRGQEHCLHPKLOSTKRFIK 97
Db 61 PHCTQTEVIATLKD-----GQEVCLNQPAPRLQIIQ 92

RESULT 18
Q9EP62 PRELIMINARY; PRT; 101 AA.
AC Q9EP62
DT 01-MAR-2001 (TrEMBLrel. 16, Created)
DT 01-MAR-2001 (TrEMBLrel. 16, Last sequence update)
DE 05-JUL-2004 (TrEMBLrel. 27, Last annotation update)
DE CINC-2 alpha precursor.
OS Rattus norvegicus (Rat).
OC Eukaryota; Metazoa; Chordata; Vertebrata; Euteleostomi;
OC Mammalia; Eutheria; Rodentia; Sciurognathi; Muridae; Rattus.
OX NCBI_TaxID=10116;
RN [1]
RC SEQUENCE FROM N.A.
RP STRAIN=Wistar; TISSUE=Peritoneal cavity;
RX MEDLINE=9823699; PubMed=9576061; DOI=10.1006/cyto.1997.0271;
RA Shibata F., Konishi K., Nakagawa H.;
RT "Gene structure, cDNA cloning, and expression of rat cytokine-induced
RT neutrophil chemoattractant 2 (GRO/CINC-2) gene.";
RL Cytokine 10:169-174(1998).
DR EMBL; D87927; BAB12280.1; -.
DR EMBL; D87926; BAB12279.1; -.
DR HSP; P10889; IMI2.
DR GO; GO:0005576; C:extracellular; IEA.
DR GO; GO:0008009; P:chemokine activity; IEA.
DR GO; GO:0006955; P:immune response; IEA.
DR GO; GO:0002473; C-X-C/Interlkn_8.
DR InterPro; IPR002473; C-X-C/Interlkn_8.
DR InterPro; IPR001811; Chemokine_IL8.
DR InterPro; IPR001089; CXCL_chemokine_smll.
DR Pfam; PF00048; IL8; 1.
DR PRINTS; PR00437; SMALLCYTKXC.
DR SMART; SM00199; SCY; 1.
DR PROSITE; PS00471; SMALL_CYTOKINES_CXC; 1.
KW Signal.
FT SIGNAL 1 32 Potential.
FT CHAIN 33 101 CINC-2 alpha.
SQ SEQUENCE 101 AA; 11109 MW; D949D5712FE30909 CRC64;

Query Match 24.4%; Score 143.5; DB 2; Length 101;
Best Local Similarity 35.1%; Pred. No. 1.6e-07;
Matches 34; Conservative 19; Mismatches 31; Indels 13; Gaps 3;

Qy 8 APPVSMELLAALLLLALLATARVDGS-----KCKSRKGPRIYSDVKLEMPKY 60
Db 2 APP-TRRLNAALLLLMATSHQPSGTVVARELCQCLTKLPRVDFENIQSLTVTPPG 60

Qy 61 PHCEKRWIITKSVSRGQEHCLHPKLOSTKRFIK 97
Db 61 PHCTQTEVIATLKD-----GQEVCLNQPAPRLQIIQ 92

RESULT 19
MIP2_MOUSE
ID MIP2_MOUSE STANDARD; PRT; 100 AA.
AC P10889;
DT 01-JUL-1989 (Rel. 11, Created)
DT 01-FEB-1991 (Rel. 17, Last sequence update)
DT 25-OCT-2004 (Rel. 45, Last annotation update)
DE Macrophage inflammatory protein 2 precursor (MIP2).
DE Name=Cxcl2; Synonyms=Mip-2, Mip2, Scyb2;
OS Mus musculus (Mouse).
OC Mammalia; Metazoa; Chordata; Vertebrata; Euteleostomi;
OC Mammalia; Eutheria; Rodentia; Sciurognathi; Muridae; Mus.
OX NCBI_TaxID=10090;
RN [1]
RC SEQUENCE FROM N.A.
RP MEDLINE=90354792; PubMed=2201751;
RX Tekamp-Olson P., Gallegos C., Bauer D., McClain J., Sherry B.,
RX Fabre M., van Deventer S., Cerami A.;
RT "Cloning and characterization of cDNAs for murine macrophage
RT inflammatory protein 2 and its human homologues.";
RL J. Exp. Med. 172:911-919(1990).
RN [2]
RC SEQUENCE OF 28-59.
RP MEDLINE=89098980; PubMed=2643119;
RX Wolpe S.D., Sherry B., Juers D., Davatellis G., Yurt R.W., Cerami A.;
RX "Identification and characterization of macrophage inflammatory
RT protein 2.";
RL Proc. Natl. Acad. Sci. U.S.A. 86:612-616(1989).
RN [3]
RC STRUCTURE BY NMR.
RX MEDLINE=9825555; PubMed=9622482; DOI=10.1021/bi980112r;
RX Shao W., Jerva L.F., West J., Lolis E., Schweitzer B.I.;
RT "Solution structure of murine macrophage inflammatory protein-2.";
RL Biochemistry 37:8303-8313(1998).
CC -1- FUNCTION: Chemotactic for human polymorphonuclear leukocytes but
CC does not induce chemokinesis or an oxidative burst.
CC -1- SUBUNIT: Homotrimer.
CC -1- SUBCELLULAR LOCATION: Secreted.
CC -1- SIMILARITY: Belongs to the interleukin alpha (chemokine Cxk)
CC family.
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CC or send an email to license@ebi.ac.uk).
CC -----
DR EMBL; X53798; CAA37807.1; -.
DR PIR; JH0200; JH0200.
DR PDB; 1MI2; NMR; A/B=28-100.
DR MGD; MGI:1340094; Cxcl2.
DR InterPro; IPR002473; C-X-C/Interlkn_8.
DR InterPro; IPR001811; Chemokine_IL8.
DR InterPro; IPR001089; CXCL_chemokine_smll.
DR Pfam; PF00048; IL8; 1.
DR PRINTS; PR00437; INTERLEUKIN8.
DR PRINTS; SM00199; SCY; 1.
DR SMART; PR00437; SMALLCYTKXC.
DR PROSITE; PS00471; SMALL_CYTOKINES_CXC; 1.
KW 3D-structure; Chemotaxis; Cytokine; Direct protein sequencing;
KW Inflammatory response; Signal.
FT SIGNAL 1 27
FT CHAIN 28 100 Macrophage inflammatory protein 2.
FT DISULFID 36 62
FT DISULFID 38 78
FT STRAND 42 42
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FT TURN 45 46
FT HELIX 47 49
FT STRAND 52 56
FT TURN 60 62
FT STRAND 66 71
FT TURN 72 74
FT STRAND 75 79
FT TURN 85 86
FT HELIX 87 94
FT TURN 96 97
SQ SEQUENCE 100 AA; 10621 MW; B9EFOA3218EE92B5 CRC64;

Query Match 23.5%; Score 138; DB 1; Length 100;
Best Local Similarity 33.3%; Pred. No. 6.3e-07;
Matches 32; Conservative 21; Mismatches 31; Indels 12; Gaps 3;

QY 8 APPVSMRLAAALLLLALLALYATRVDS-----KCKSRKPKIRYSDVKLEMPKYP 61
DB 2 APP-TCRLLSAALVLLLLLATNHNQATGAVVASLRCQCLNTLPRVDFKNIQSLSVTPPGP 60

QY 62 HCEKRVIIITKSVSRVYRGQEHCLHPKLSQTKRFIK 97
DB 61 HCAQTEVIATLKG-----GQKVLDPPEAPLVQKIIQ 91

RESULT 20
Q6W5C0 PRELIMINARY; PRT; 100 AA.
AC Q6W5C0;
DT 05-JUL-2004 (TrEMBLrel. 27, Created)
DT 05-JUL-2004 (TrEMBLrel. 27, Last sequence update)
DT 05-JUL-2004 (TrEMBLrel. 27, Last annotation update)
DE Dendritic cell inflammatory protein-1 precursor.
GN Name=Dc1pi;
OS Mus musculus (Mouse).
OC Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;
OC Mammalia; Eutheria; Rodentia; Sciurognathi; Muridae; Murinae; Mus.
OX NCBI_TaxID=10090;
RN [1]
SEQUENCE FROM N.A.
RP STRAIN=129/Sv129/Sv-CPFl, and CBA/Ca;
RC PubMed=14764687;
RA Nolan K.P., Strong J., Soler D., Fairchild P.J., Cobbold S.P.,
RA Croxton R., Gonzalo J.A., Rubio A., Wells M., Waldmann H.;
RT "IL-10-conditioned dendritic cells, decommitted for recruitment of
RT adaptive immunity, elicit innate inflammatory gene products in
RT response to danger signals."
RL J. Immunol. 172:2201-2209(2004).
DR EMBL; AY311404; AAQ86937.1; -.
DR EMBL; AY311403; AAQ86936.1; -.
DR GO; GO:0005576; C:extracellular; IEA.
DR GO; GO:0008009; F:chemokine activity; IEA.
DR GO; GO:0006955; P:immune response; IEA.
DR InterPro; IPR002473; C-X-C/Interlkn_8.
DR InterPro; IPR001089; CXCL_chemokine_smll.
DR Pfam; PF00048; IL8; 1.
DR PRINTS; PR00436; INTERLEUKIN8.
DR PRINTS; PR00437; SMALLCYTCKXC.
DR SMART; SM00199; SCY; 1.
DR PROSITE; PS00471; SMALL_CYTOKINES_CXC; 1.
FT SIGNAL.
FT CHAIN 1 27 potential.
FT CHAIN 28 100 dendritic cell inflammatory protein-1.
SQ SEQUENCE 100 AA; 10686 MW; 292AE7DA28DE525C CRC64;

Query Match 23.0%; Score 135; DB 2; Length 100;
Best Local Similarity 36.8%; Pred. No. 1.3e-06;
Matches 32; Conservative 16; Mismatches 27; Indels 12; Gaps 3;

QY 8 APPVSMRLAAALLLLALLALYATRVDS-----KCKSRKPKIRYSDVKLEMPKYP 61
DB 2 APP-TCRLLSAALVLLLLLATNHNQATGAVVASLRCQCLNTLPRVDFKNIQSLSVTPPGP 60
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QY 62 HCEKRVIIITKSVSRVYRGQEHCLHPK 88
DB 61 HCTQTEVIATLKD-----GQEVCLNFP 82

RESULT 21
Q6PUD4 PRELIMINARY; PRT; 107 AA.
AC Q6PUD4;
DT 05-JUL-2004 (TrEMBLrel. 27, Created)
DT 05-JUL-2004 (TrEMBLrel. 27, Last sequence update)
DT 05-JUL-2004 (TrEMBLrel. 27, Last annotation update)
DE Chemokine (C-X-C motif) ligand 2.
GN Name=CXCL2;
OS Sus scrofa (Pig).
OC Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;
OC Mammalia; Eutheria; Cetartiodactyla; Suina; Suidae; Sus.
OX NCBI_TaxID=9823;
RN [1]
SEQUENCE FROM N.A.
RP Kim J.G., Vaillet J.L., Rohrer G.A., Christenson R.K.;
RL Submitted (MAR-2004) to the EMBL/GenBank/DBJ databases.
DR EMBL; AY578786; AAS91557.1; -.
DR GO; GO:0005576; C:extracellular; IEA.
DR GO; GO:0008009; F:chemokine activity; IEA.
DR GO; GO:0006955; P:immune response; IEA.
DR InterPro; IPR002473; C-X-C/Interlkn_8.
DR InterPro; IPR001089; CXCL_chemokine_smll.
DR Pfam; PF00048; IL8; 1.
DR PRINTS; PR00436; INTERLEUKIN8.
DR PRINTS; PR00437; SMALLCYTCKXC.
DR SMART; SM00199; SCY; 1.
DR PROSITE; PS00471; SMALL_CYTOKINES_CXC; 1.
SQ SEQUENCE 107 AA; 11243 MW; C6C45D5008C652CB CRC64;

Query Match 22.4%; Score 131.5; DB 2; Length 107;
Best Local Similarity 34.4%; Pred. No. 3.3e-06;
Matches 33; Conservative 16; Mismatches 36; Indels 11; Gaps 2;

QY 8 APPVSMRLAAALLLLALLALYATRVDS-----KCKSRKPKIRYSDVKLEMPKYP 61
DB 8 ASPCAFRLRAALLLLVLAAGRRTAGAPVGGSLRCQCLQTVQGIHLKNIQDLKVTSPGP 67

QY 62 HCEKRVIIITKSVSRVYRGQEHCLHPKLSQTKRFIK 97
DB 68 HCDQTEVIATLKN-----GQEVCLNFPAPMVKKIIE 98

RESULT 22
GRO_CRIGR STANDARD; PRT; 101 AA.
AC P09340;
DT 01-MAR-1989 (Rel. 10, Created)
DT 01-MAR-1989 (Rel. 10, Last sequence update)
DT 05-JUL-2004 (Rel. 44, Last annotation update)
DE Growth regulated alpha protein precursor (CXCL1).
GN Name=CXCL1; Synonyms=GRO, SCYB1;
OS Cricetulus griseus (Chinese hamster).
OC Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;
OC Mammalia; Eutheria; Rodentia; Sciurognathi; Muridae; Cricetinae;
OC Cricetulus.
OX NCBI_TaxID=10029;
RN [1]
SEQUENCE FROM N.A.
RP MEDLINE=88041072; PubMed=2890161;
RA Anisowicz A., Bardwell L., Sager R.;
RT "Constitutive overexpression of a growth-regulated gene in transformed
RT Chinese hamster and human cells."
RL Proc. Natl. Acad. Sci. U.S.A. 84:7188-7192(1987).
CC -!- FUNCTION: Has chemotactic activity for neutrophils.
CC -!- SUBCELLULAR LOCATION: Secreted.
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CC -!- SIMILARITY: Belongs to the interleukin alpha (chemokine Cxcl)
CC family.

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CC EMBL: J03560; AAA36985.1; -;
CC PIR: B28414; B28414.
CC HSP: P19875; 1QNK.
CC InterPro: IPR002473; C-X-C/Interlkn_8.
CC InterPro: IPR001811; Chemokine IL8.
CC InterPro: IPR001089; CXC_chmkine_sm1.
CC Pfam: PF00048; IL8; 1.
CC PRINTS: PR00436; INTERLEUKIN8.
CC PRINTS: PR00437; SMALLCYTCKXC.
CC SMART: SM00199; SCY; 1.
CC PROSITE: PS00471; SMALL CYTOKINES CXC; 1.
CC Cytokine; Growth factor; Inflammatory response; Signal.
CC SIGNAL 1 28 Potential.
CC CHAIN 29 101 Growth regulated alpha protein.
CC DISULFID 37 63 By similarity.
CC DISULFID 39 79 By similarity.
CC SEQUENCE 101 AA; 10893 MW; 666FB7E9C512019 CRC64;

Query Match 22.3%; Score 131; DB 1; Length 101;
Best Local Similarity 31.6%; Pred. No. 3.6e-06;
Matches 30; Conservative 21; Mismatches 32; Indels 12; Gaps 2;

QY 10 PVSMLLAALLLLALLLALYARV-----DGSCKCSRKPKIRYSDVKLEMKPKYP 62
DB 3 PATSLRAPLLLLALLLALSLATGAPVANELRCQCLQTVGVLKNIQSLKVTTPGPH 62

QY 63 CEERKVIITTKSVSRVYRGQEHCLHPKLQSTKRFK 97
DB 63 CTQTEVIATLKN-----GQEVCLNPAAPMVVKIIE 92

RESULT 23

Q6PUJ1 Q6PUJ1 PRELIMINARY; PRT; 107 AA.
AC Q6PUJ1
DT 05-JUL-2004 (TrEMBLrel. 27, Created)
DT 05-JUL-2004 (TrEMBLrel. 27, Last sequence update)
DT 05-JUL-2004 (TrEMBLrel. 27, Last annotation update)
DE CXCL2.
OS Sus scrofa (pig).
OC Eukaryota; Metazoa; Chordata; Vertebrata; Euteleostomi;
OC Mammalia; Eutheria; Cetartiodactyla; Suina; Suidae; Sus.
OX NCBI_TaxID=9823;
RN [1]
RP SEQUENCE FROM N.A.
RA Kim J.G., Waller J.L., Rohrer G.A., Christenson R.K.;
RL Submitted (MAR-2004) to the EMBL/GenBank/DBJ databases.
DR EMBL: AY577905; AA590943.1;
DR GO: GO:0005576; C:extracellular; IEA.
DR GO: GO:0008009; F:chemokine activity; IEA.
DR GO: GO:0006955; P:immune response; IEA.
DR InterPro: IPR002473; C-X-C/Interlkn_8.
DR InterPro: IPR001811; Chemokine IL8.
DR InterPro: IPR001089; CXC_chmkine_sm1.
DR Pfam: PF00048; IL8; 1.
DR PRINTS: PR00436; INTERLEUKIN8.
DR PRINTS: PR00437; SMALLCYTCKXC.
DR SMART: SM00199; SCY; 1.
DR PROSITE: PS00471; SMALL CYTOKINES CXC; 1.
SQ SEQUENCE 107 AA; 11227 MW; C6C44351E8C652CB CRC64;

Query Match 22.2%; Score 130.5; DB 2; Length 107;

Best Local Similarity 34.4%; Pred. No. 4.3e-06;
Matches 33; Conservative 16; Mismatches 36; Indels 11; Gaps 2;
QY 8 APPVSMELLAALLLLALLLALYARVDSG-----KCKCSRKPKIRYSDVKLEMKPKYP 61
DB 8 ASFCAPFLRALLLLLVAAAGRTAGAPVGGELRCQCLQTVGVLKNIQDLKVTSPGP 67
QY 62 HCEERKVIITTKSVSRVYRGQEHCLHPKLQSTKRFK 97
DB 68 HCDQTEVIATLKN-----GQEVCLNPAAPMVVKIIE 98

RESULT 24

M12A HUMAN
ID M12A HUMAN STANDARD; PRT; 107 AA.
AC P19875; Q9UPB8;
DT 01-FEB-1991 (Rel. 17, Created)
DT 01-FEB-1991 (Rel. 17, Last sequence update)
DT 25-OCT-2004 (Rel. 45, Last annotation update)
DE Macrophage inflammatory protein-2-alpha precursor (MIP2-alpha) (CXCL2)
DE (Growth regulated protein beta) (Gro-beta) [Contains: GRO-beta(5-73)
DE (GRO-beta-T) (SB-251353) (Hematopoietic synergistic factor) (HSF)].
GN Name=CXCL2; Synonyms=GRO2, GROB, MIP2A, SCYB2;
OS Homo sapiens (Human).
OC Eukaryota; Metazoa; Chordata; Vertebrata; Euteleostomi;
OC Mammalia; Eutheria; Primates; Catarrhini; Hominidae; Homo.
OX NCBI_TaxID=9606;
RN [1]
RP SEQUENCE FROM N.A.
RC TISSUE=Histocytic lymphoma;
RX MEDLINE=90354792; PubMed=2201751;
RA Tekamp-Olson P., Gallegos C., Bauer D., McClain J., Sherry B.,
RA Fabre M., van Deventer S., Cerami A.;
RT "Cloning and characterization of cDNAs for murine macrophage
RT inflammatory protein 2 and its human homologues";
RL J. Exp. Med. 172:911-919(1990).
RN [2]
RP SEQUENCE FROM N.A.
RX MEDLINE=90377259; PubMed=2078213;
RA Iida N., Grotendorst G.R.;
RT "Cloning and sequencing of a new gro transcript from activated human
RT monocytes: expression in leukocytes and wound tissue";
RL Mol. Cell. Biol. 10:5596-5599(1990).
RN [3]
RP SEQUENCE FROM N.A.
RX MEDLINE=91017578; PubMed=2217207;
RA Haakill S., Peace A., Morris J., Sporn S.A., Anisowicz A., Lee S.W.,
RA Smith T., Martin G., Ralph P., Sager R.;
RT "Identification of three related human GRO genes encoding cytokine
RT functions";
RL Proc. Natl. Acad. Sci. U.S.A. 87:7732-7736(1990).
RN [4]
RP SEQUENCE FROM N.A.
RC TISSUE=Eye;
RX MEDLINE=22388257; PubMed=12477932; DOI=10.1073/pnas.242603899;
RA Strausberg R.L., Feingold E.A., Grouse L.H., Derge J.G.,
RA Klausner R.D., Collins F.S., Wagner K.H., Shenmen C.M., Schuler G.D.,
RA Altschul S.F., Zeeberg B., Buetow K.H., Schaefer C.P., Bhat N.K.,
RA Hopkins R.F., Jordan H., Moore T., Max S.I., Wang J., Hsieh F.,
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